

C-H

WIRING DEVICES

PUSH BUTTON SPECIALTIES

THE CUTLER-HAMMER MFG. CO.



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WIRING DEVICES

PUSH BUTTON SPECIALTIES

November, 1918

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WITHOUT NOTICE

The Cutler-Hammer Mfg. Co.

NEW YORK.....Hudson Terminal (50 Church Street)
CHICAGO.....Peoples Gas Building
PITTSBURG.....Farmers' Bank Building
BOSTON.....77 Franklin Street
PHILADELPHIA.....Commonwealth Building
CLEVELAND.....Guardian Building
CINCINNATI.....Gwynne Building

PACIFIC COAST AGENTS—H. B. SQUIRES CO.

SAN FRANCISCO.....583 Howard Street
LOS ANGELES.....San Fernando Building
SEATTLE.....552 First Avenue, South

WORKS:—Milwaukee, Wisconsin



GENERAL DIRECTIONS

CARE IN MANUFACTURE Every possible effort is used in the manufacture of C-H Push-Button Specialties to furnish articles that are without a defect. Our inspection system is extremely thorough, but in the manufacture of large quantities of material, a device that is not up to standard may occasionally get past our inspection department. In case this should occur, we are always ready and extremely glad to have you advise us that we may have the opportunity of correcting the trouble.

FINISHES We list in this catalog additions to list prices for special finishes of our devices. Regular and special finishes of one catalog number may be assorted to make up standard package quantities. Time and trouble will be saved if customers will state finish desired when ordering. In the absence of definite instructions, standard finish will be shipped.

STANDARD PACKAGE In this catalog the number of pieces contained in a **UNIT PACKAGE** and the number of pieces constituting a **STANDARD PACKAGE** are given in connection with each item listed.

Unless otherwise stated *the standard package quantity must be made up of one catalog number*—not two or more.

Where it is distinctly stated that two or more catalog numbers may be combined in one standard package, the quantities of each item ordered must be such that the order can be filled *in unbroken unit packages*.

When a standard package is ordered shipment will be made to *one address only*; but the purchaser may, if he so desires, order a part of the shipment forwarded by parcel post or express and the balance by freight, provided the two shipments are made at the *same time* to the *same person* and the *same place*.

UNASSEMBLED SOCKETS AND SWITCHES In case the purchaser wishes to refinish the sockets or switches ordered, please instruct us to ship goods **UNASSEMBLED**. When so ordered caps, shells, linings and operating mechanisms are packed in separate boxes, suitably labeled, so that on receipt of shipment the metal parts can be immediately refinished without the loss of time that would be incurred in disassembling the finished product.

The price of goods shipped **UNASSEMBLED** is the same as for the assembled product no extra charge being made for the special packing necessary. When the purchaser wishes to refinish the goods himself, order should be marked "ship unfinished and unassembled."

RETURN OF MATERIAL Goods returned from any source for credit cannot be accepted unless our permission for return of same has been granted.

SHIPMENTS All claims for shortage should be made within five days after the receipt of goods.

SHIPPING WEIGHTS The shipping weights given in our catalog are very nearly correct. We cannot, however, guarantee them.



THIS IS THE AGE OF THE PUSH-BUTTON

A GENERATION AGO, when the first electric lamp sockets were designed, gas lighting was the common method of illumination and people turned gas on and off by means of a key that projected from the gas bracket. This is the reason why electric lamp sockets and switches were made with a rotary key—it was the method of operation with which people were familiar. But times have changed, the gas bracket has practically disappeared and there is no longer any reason for making electric devices in imitation of gas fixtures.

Today the characteristic method of operating an electric switch is to push a button. To sound an electric bell or buzzer you push a button. To start an automobile you push a button. Printing presses and machine tools are today controlled from push-button stations. Flush switches and pendent switches are operated by means of push-buttons. And now lamp sockets are operated by means of push-buttons.

The Cutler-Hammer Mfg. Co., of Milwaukee, blazed the trail when, eleven years ago, it placed on the market the porcelain pendent switches, listed on pages 24 and 25 of this Catalog and the porcelain sockets, listed on page 16. This line of push-button specialties was made possible by the invention of an exceedingly ingenious snap-switch mechanism which, by greatly reducing the number of moving parts, permitted a thoroughly substantial quick make-and-break switch of ample current carrying capacity to be installed in a pendent switch body or socket shell of small dimensions.

The favorable reception of these push-button porcelain pendent switches and sockets led to the extension of the line which now includes candelabra and canopy switches, feed-through, tool-handle switches, surface switches, flush switches, door switches, door-bolt switches and automobile lighting switches, all operated by means of push-buttons. In May, 1914, the long-awaited brass shell push-button socket was placed on the market and has come into extensive use.

It should be remembered that the Cutler-Hammer push-button mechanism has now been in use for eleven years. Millions of switches using this mechanism have been installed and each year the demand for them has increased.

This is truly the Age of the Push-Button.



C-H PUSH SOCKETS

BRASS SHELL TYPES—660 WATTS



Push the light button and the lamp lights, push the black one and the current is "off." The buttons therefore tell whether the current is "on" or "off."

JUST PUSH THE BUTTON

The C-H Way

Sockets for Fixture Installation

Sockets for ceiling fixtures, wall brackets or table lamps are usually referred to as fixture sockets. Those used for suspension from lamp cords are termed pendent sockets.

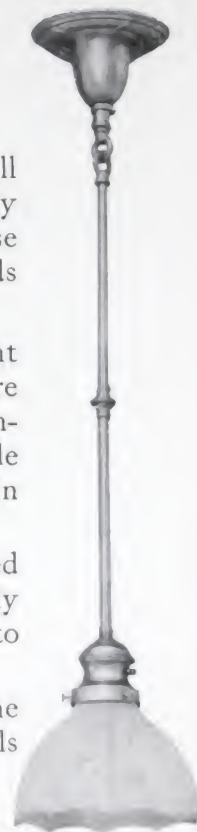
Because the current is brought through the socket from the fixture wires to the lamp or other device connected to the socket, it is reasonable

to assume that the socket should be secured in such a way as to remain firmly and permanently in place.

A socket that is not firmly secured will be loosened up when operated and in time the fixture wire at the point of entrance may wear sufficiently to cause sparking or grounding. A grounded wire may give a shock to the person turning on the socket.

Another result of a wobbly socket is loosening of the wires under the terminal screws. This results in burning and pitting of the wire terminals and screws.

A patented locking ring (see page 9) on C-H Push Sockets of the fixture type insures a permanent, firm fastening of the socket to the fixture and eliminates possibilities of the troubles mentioned above.



C-H Push Socket on ceiling fixture. Socket is inside of socket cover with push-buttons extending through.



The removable push button feature of C-H sockets is advantageously used in this handsome portable.

Sockets for Lamp Cord Suspension in Store Rooms, Factories, etc.

Although the ordinary type of socket used for fixture work is sometimes used for suspending from a lamp cord, it is not well suited. To prevent strain from being transmitted to the terminals holding the ends of the cord in the socket, a knot must be placed in the cord and this crowds the cap,—is difficult to make,—takes time, and is, therefore, usually omitted by the electrician. Strain on the terminal screws loosens the ends of the cord and sooner or later causes trouble.



C-H No. 7500 Push socket on wall bracket



A small insulating bushing is also required in the socket cap outlet and because this is so small it usually breaks, often before being put in service. A socket having a $\frac{3}{8}$ inch cap is approved but this costs more than the other.

A pendent socket should be as well supported mechanically and electrically as a fixture socket because it is often given rather rough handling, sometimes has a heavy reflector to support and when a fan, a portable motor, soldering iron, drill or other electrical appliance is connected to it is often subjected to considerable pulling.



Copyright by Morris from Underwood & Underwood, N. Y.
Summer Home of President Wilson, Long Branch, N. J. Approximately 500 C-H Push Sockets installed when new electrical equipment was furnished.

The design of the C-H Push Socket (Pendent Type) takes care of all this and more. It is made for just such service, has an insulating bushing in the cap large enough to allow reinforced cord to easily pass through it.

It has a patented approved Cord Strain Relief which makes it unnecessary for the wiremen to make a knot in the cord, but at the same time when put in service as referred to above, it prevents any strain whatever from being transmitted to the cord terminal screws.

C-H Socket Capacity 660 Watts

When sockets were first made there were no electrical appliances on the market and therefore the comparatively low capacity key type sockets were fairly satisfactory. Sockets were only used for holding lamps, in fact they were called lamp holders.

(Continued on Page 9)



The C-H Socket not only gives longer service with lamps but allows the use of electric irons and other appliances with safety.





C-H Push Sockets (Pendent Type No. 7506) are used in this Million Cell Plant of the Edison Storage Battery Company at Orange, N. J.



A section in the new Storage Battery Plant of the Edison Storage Battery Co. at Orange, N. J., showing C-H Pendent Type Push Sockets installed in this model plant. Electrical work installed by Edison's own expert electrical department.



Danger to person operating

TWO
HANDS
WHERE
KEY
TYPE
SOCKET
IS
USED



Coat is entirely free of belt

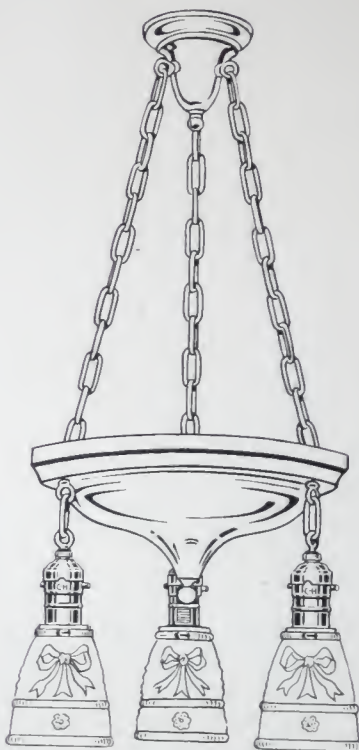
SEE
HOW
EASY
WITH
PUSH
SOCKET
—
ONE
HAND



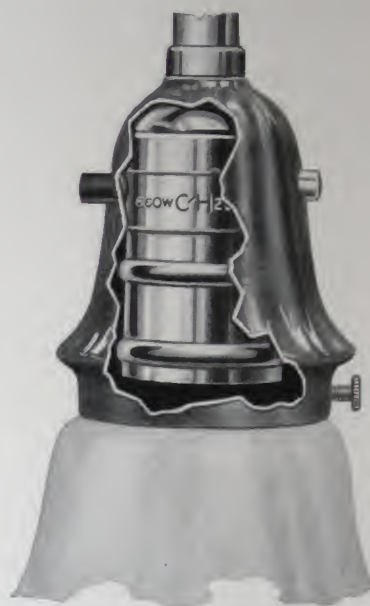
Fixture Installation of C-H Brass Shell Sockets



On this simple wall fixture the neat appearance of the cap of the C-H 7500 Push Socket is taken advantage of and a separable shade holder is used which is secured over the base of the cap leaving the upper portion exposed. A socket with standard 2-inch over-all push buttons is used with this type of holder.



On the ceiling fixture pictured above the neat appearance of the C-H Push Sockets has again been considered and a simple holder fitted over the lower ring of the socket is used to support the shade.



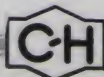
In this installation a C-H 7500 Push Socket with buttons measuring $2\frac{1}{4}$ inch over-all is used. The shade holder is a unit and in installation the socket is placed in the holder and the two screwed to the fixture arm. The socket of course is turned sufficiently to secure it tightly and at the same time to bring the push buttons into a position for convenient operation.



When a socket husk is not used the symmetrical appearance of the C-H Push Socket and an inexpensive shade holder make a neat unit.



Where close fitting shade holders are used on either wall or ceiling fixtures a removable button Push Socket C-H 7510 is most conveniently installed. The socket with buttons removed is placed inside the holder and screwed to the fixture arm. The push buttons are then inserted from without.





The locking ring is placed over the fixture nozzle and the cap screwed in place.

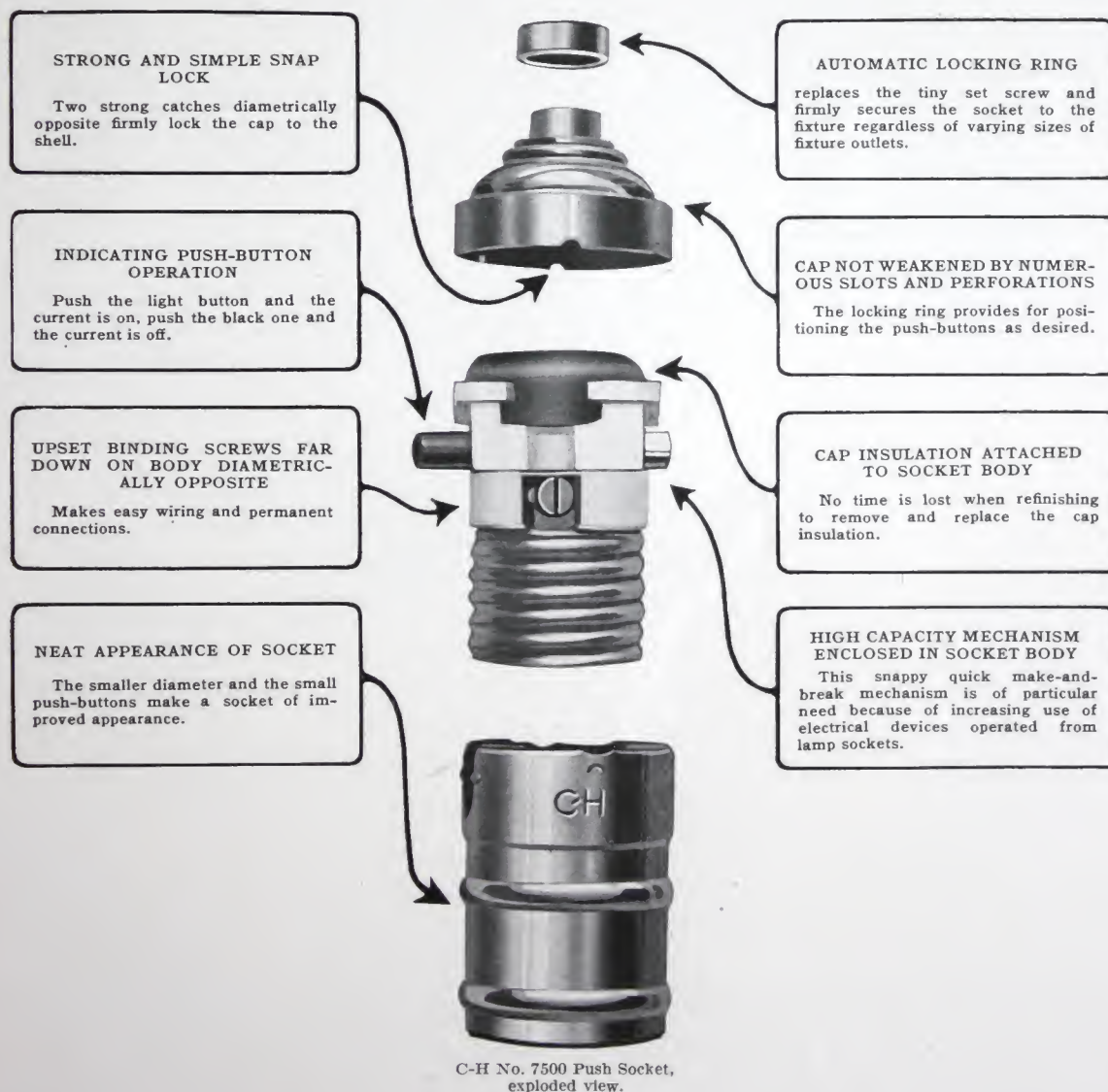
Conditions have changed however. A socket must not only have sufficient capacity and ruggedness to stand more and longer service, but it should be able to handle the large currents required by the electric toaster, iron, table stove, vacuum cleaner and even such appliances as soldering irons, glue pots, portable drills, etc., that are used in industrial plants and factories.

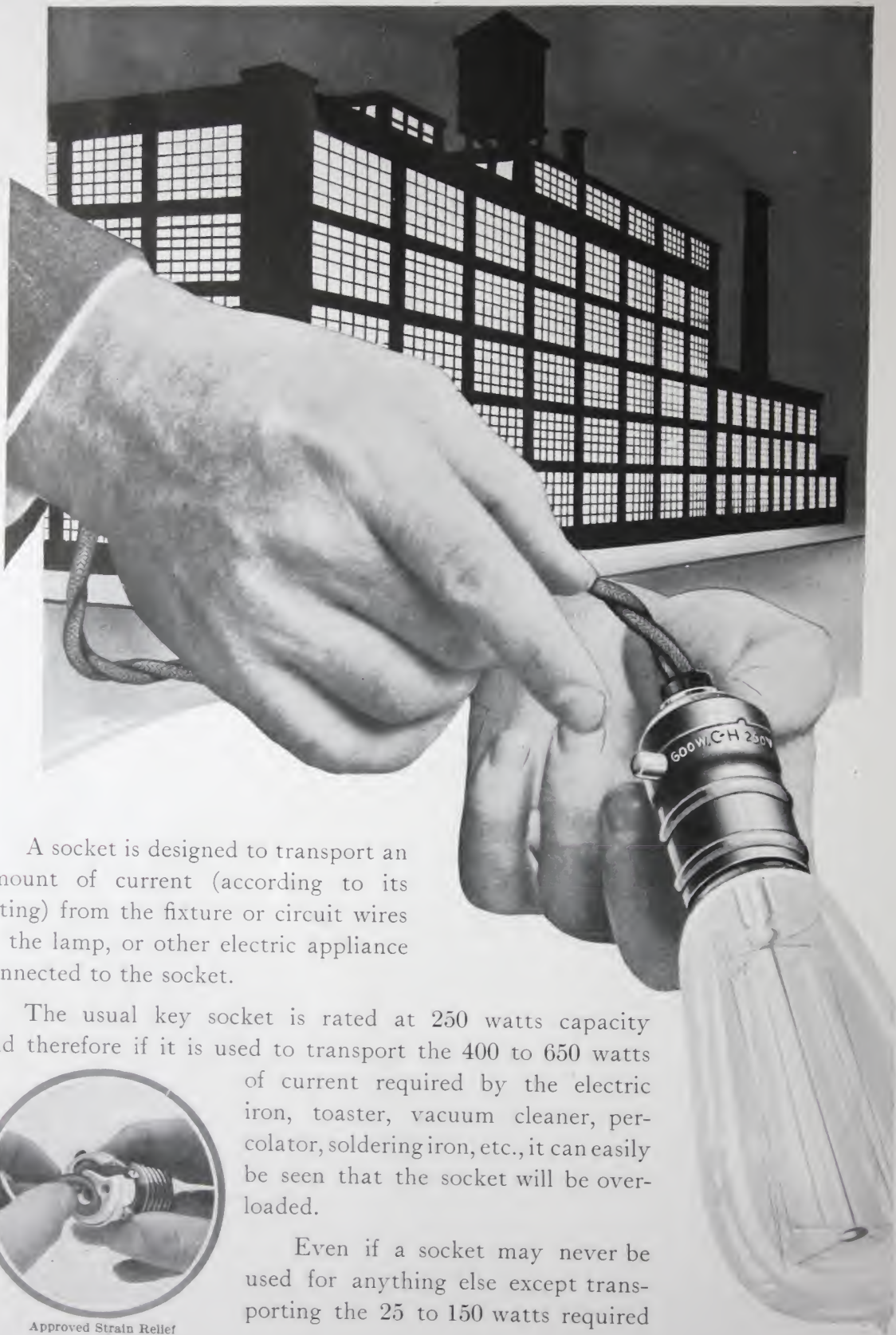
"Push the Button" is characteristically electrical, and C-H Push Sockets are operated in this electrical way instead of by a rotary key.



Cat. No. 7579

A special tool, fitting socket cap, enables locking ring to be screwed up tight inside of husk.





A socket is designed to transport an amount of current (according to its rating) from the fixture or circuit wires to the lamp, or other electric appliance connected to the socket.

The usual key socket is rated at 250 watts capacity and therefore if it is used to transport the 400 to 650 watts of current required by the electric iron, toaster, vacuum cleaner, percolator, soldering iron, etc., it can easily be seen that the socket will be overloaded.



Approved Strain Relief

Even if a socket may never be used for anything else except transporting the 25 to 150 watts required



by a lamp, the 660 watt socket because of its construction for carrying the large currents necessarily provides for longer service.

'C-H Push' Sockets are all 660 watt capacity, tested, rated and approved by the National Board of Fire Underwriters.

C-H Porcelain Sockets 660 Watts Capacity Also

The porcelain casing is proof against shock, making these sockets well suited for bathrooms, basement rooms, laundries and other buildings or rooms having cement floors.



C-H 7401, Fixture Socket. Small ring on nozzle of socket allows its being securely locked to fixture.

The porcelain when soiled can be wiped off with a moist cloth and made to look like new after years of service.

The fixture type socket has the new automatic locking ring which insures the socket against jarring loose.

Listing will be found on page 16.



The C-H Side Inlet Socket

The Side Inlet Type No. 7560 is exactly like the standard Push Socket except that there is an extra inlet in the side of the cap. This provides for passage of the cord into the socket where the latter is mounted on a solid pedestal or rod.

The two illustrations show the use of this type of socket on portables. No interior fixture wiring is required. The inlet in the cap is furnished with a metal or fibre bushing.



Home Made Portable



C-H 7560 Push Socket with side inlet in cap mounted on ordinary glass candle stick.



C-H PUSH SOCKETS

BRASS SHELL

660 WATTS—250 VOLTS



C-H 7500



C-H 7520



C-H 7506



C-H 7510



C-H 7560



C-H 7507



C-H 7511



C-H 7550



C-H 7551



C-H 7561

C-H 7509
Candle Fixture
Socket

PUSH SOCKETS

SCHEDULE B

Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7500	1/8" cap.....	25	500	100	\$0 33
▲7502	1/4" cap.....	25	250	55	42
▲7504	3/8" cap.....	25	250	58	39
▲7506	Pendent, with strain relief...	25	500	100	33
▲7520	1/8" male cap.....	25	500	100	33
▲7522	1/4" male cap.....	25	250	58	42
▲7524	3/8" male cap.....	25	250	58	42
7560	1/8" cap with extra insulation bushed inlet.....	25	250	55	35
7562	1/8" cap with extra metal bushed inlet.....	25	250	55	35

Standard push-buttons measure 1 1/4" over-all. Special push-buttons 2 1/16" or 2 3/16" over-all will be furnished when specified without extra charge. Several lengths of buttons are furnished—See page 17.

REMOVABLE BUTTON PUSH SOCKETS

▲7510	1/8" cap.....	25	250	50	\$0 40
▲7512	1/4" cap.....	25	250	55	49
▲7514	3/8" cap.....	25	250	58	46
▲7530	1/8" male cap.....	25	250	50	40
▲7532	1/4" male cap.....	25	250	55	49
▲7534	3/8" male cap.....	25	250	58	49

KEYLESS SOCKETS

▲7501	1/8" cap.....	25	500	100	\$0 30
▲7503	1/4" cap.....	25	250	55	39
▲7505	3/8" cap.....	25	250	58	36
▲7507	Pendent, with strain relief...	25	500	91	30
▲7521	1/8" male cap.....	25	500	100	30
▲7523	1/4" male cap.....	25	250	55	39
▲7525	3/8" male cap.....	25	250	58	39
7571	1/8" cap with extra insulation bushed inlet.....	25	250	55	32
7573	1/8" cap with extra metal bushed inlet.....	25	250	55	32

ELECTROLIER KEYLESS SOCKETS

▲7511	1/8" cap.....	25	100	20	\$0 30
▲7513	1/4" cap.....	25	100	20	39
▲7515	3/8" cap.....	25	100	20	36
▲7531	1/8" male cap.....	25	100	20	30
▲7533	1/4" male cap.....	25	100	20	39
▲7535	3/8" male cap.....	25	100	20	39
7575	1/8" male cap with extra insulation bushed inlet.....	25	100	20	32
7577	1/8" male cap with extra metal bushed inlet.....	25	100	20	32

BRASS SHELL WALL SOCKETS

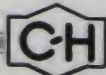
▲7550	Porcelain base Push Socket..	10	250	80	\$0 44
▲7551	Porcelain base Keyless Socket	10	250	80	41
▲7561	Porcelain base Short Keyless Socket.....	10	250	75	41

Supporting screw holes in porcelain bases are spaced 1" on centers. Outside diameter of base is 2". The brass shells of these wall sockets are interchangeable with C-H brass shell fixture and pendent sockets. See page 17 for data on finishes.

CANDLE FIXTURE SOCKET

This socket can be used in candles measuring 1 3/16" or more inside diameter.					
▲7509	Keyless 1/8" nipple.....	25	250	15	\$0 30

▲ National Electrical Code Standard.



C-H PUSH SOCKETS

BRASS SHELL

660 WATTS—250 VOLTS

FOR 3 $\frac{1}{4}$ " OUTLET BOXES

SCHEDULE

B
Cat. No.

	Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7590 Porcelain Base only.....	5	50	22	\$0 25
▲7591 Push Button.....	5	100	60	51
▲7592 Keyless.....	5	100	60	48
▲7593 Short Shell Keyless.....	10	100	60	48

Supporting screw holes in porcelain bases are spaced 2 $\frac{3}{4}$ " on centers.

Outside diameter of base is 3 $\frac{1}{2}$ ".

The brass shells of these sockets are interchangeable with C-H brass shell fixture and pendent sockets.

Prices of sockets parts are given on page 64.

See page 17 for data on special finishes.

▲ *National Electrical Code Standard.*



C-H 7591



C-H 7592



C-H 7593

SHADE HOLDERS

FOR C-H PUSH SOCKETS

SCHEDULE

D
Cat No.

	Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
7840 3 $\frac{1}{4}$ " Shade Holder.....	25	100	25	\$0 20
7841 3 $\frac{1}{4}$ " Shade Holder.....	25	100	25	25
7842 2 $\frac{1}{4}$ " Shade Holder.....	25	100	25	13
7843 2 $\frac{1}{4}$ " Shade Holder.....	25	100	25	16 $\frac{1}{2}$



C-H 7843



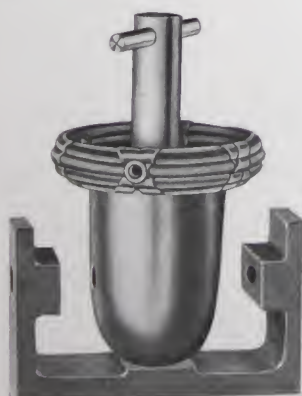
C-H 7842



C-H 7841



C-H 7840



Drilling Jig.

The socket husk drilling jig is used to drill socket husks and shade holders to accommodate the push-buttons of C-H Push Sockets. It is furnished free to all large users of C-H Sockets.

The special wrench (Cat. 7579) shown at the top of page 9, enables the locking ring on C-H Sockets to be screwed up tight inside husks. This wrench is also furnished free to purchasers of C-H Sockets.



C-H PUSH SOCKETS

CANDLE LENGTH TYPE

An Electric Candle Socket in One Complete Unit



C-H Candle Length Keyless Sockets (C-H 7517) on four light candle fixture.



C-H Candle Length Push Sockets (C-H 7516) on four-light ceiling fixture.



Another four-light ceiling fixture with C-H Candle Length Push Sockets.

Imagine taking a standard C-H Socket and pulling the screw shell away from the body several inches and then substituting a fiber candle for the brass shell. That is just what was so ingeniously done when the new idea in candle length sockets was put on the market.

Because of being furnished in one complete unit, C-H Candle Length Sockets eliminate the need for stocking, handling and assembling the various parts required for the usual candle light fixture. This makes the work of installing as easy as with the regular standard lamp sockets.

The better mechanical construction of the C-H single piece candle length lighting unit insures a better appearance—the candle being firmly secured in the cap remain in the correct position.

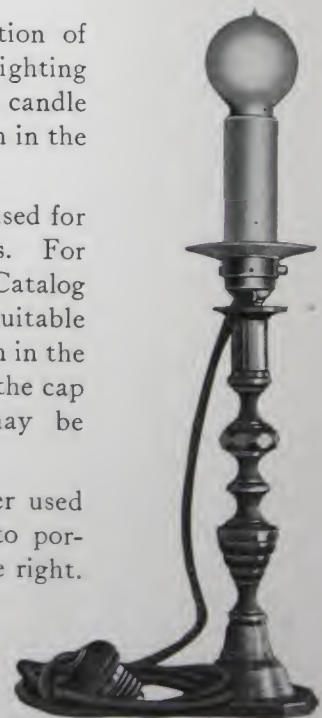
Catalog Nos. 7516 and 7517 are used for ceiling fixtures and wall brackets. For portables these may also be used, but Catalog Nos. 7528 and 7529 are particularly suitable where a solid pedestal is used as shown in the illustration. There is a side inlet in the cap through which the lamp cord may be passed.

Cat. No. 7553 is a rubber adapter used in fitting a Candle Length Socket to portables similar to the one shown at the right.

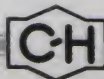
Cat. Nos. 7558 and 7559 are two sizes of Bobechés. C-H 7557 is a holder or collar which fits over the socket buttons and supports the Bobeché.



C-H Push Socket, Candle Length Type, (C-H 7516) on single candle light wall bracket.



Brass Candle Stick with Bobeché and Side Inlet Candle Socket C-H 7528.



C-H PUSH SOCKETS

CANDLE LENGTH TYPE

Two styles of these new sockets are made, one having the standard cap, and the other a cap with an extra inlet in the side. Both styles are made with or without push-buttons. Several lengths of buttons are furnished as indicated on page 17.

C-H 7564 is made with removable push-buttons.

Like all C-H Sockets these candle length types have the highest socket rating—660 watts, 250 volts.



C-H 7558



C-H 7553



C-H 7557

Candle Socket Accessories
Shown assembled on socket at
right.

PUSH SOCKETS

SCHEDULE B

Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7516	1/8" cap.....	10	50	12	\$0 85
▲7518	1/4" cap.....	10	50	12	94
▲7526	3/8" cap.....	10	50	12	91
7536	1/8" cap with extra fiber bushed inlet.....	10	50	12	87
7528	1/8" cap with extra metal bushed inlet.....	10	50	12	87
▲7564	1/8" cap with removable push-buttons.....	10	50	12	92

KEYLESS SOCKETS

Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7517	1/8" cap.....	10	50	12	\$0 70
▲7519	1/4" cap.....	10	50	12	79
▲7527	3/8" cap.....	10	50	12	76
7537	1/8" cap with extra fiber bushed inlet.....	10	50	12	72
7529	1/8" cap with extra metal bushed inlet.....	10	50	12	72

ACCESSORIES

7553	Rubber adapter.....	20	100	7	\$0 06
7557	Bobeché holder.....	20	100	3	08
7558	Bobeché 3 1/8" diam.....	20	100	9	12
7559	Bobeché 3" diam.....	20	100	7	10



Candle Socket Acces-
sories assembled on
Candle Length Push
Socket Cat. C-H 7528.

Standard length of candle exclusive of cap 4". Five and six inch candles furnished at additional cost of 5 cents per inch list.

Unfinished candles can be furnished at 10 cents less than standard list price.

Standard finish white candle and brush brass cap. Tallow colored candle furnished at no extra charge. Cap in tallow or white will also be furnished at no advance.

Standard and special finishes of caps may be assorted to make up standard package. For special finishes of caps see page 17. Prices of Socket Parts are given on page 64.

▲ National Electrical Code Standard.



C-H 7516
Candle Length
Push Socket.



C-H 7528
Candle Length Push
Socket with side in-
let cap.



C-H 7564
Candle Length Push
Socket with remov-
able push-buttons.



C-H 7517
Keyless Candle
Length Socket.



Phantom view. This
single unit socket
eliminates the several
parts usually neces-
sary in candle light
construction.



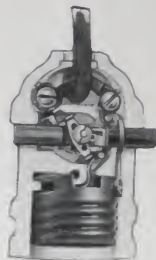
C-H PUSH SOCKETS

PORCELAIN TYPE

660 WATTS—250 VOLTS



C-H 7400



Mechanism is mounted on one-half of socket



C-H 7401

SCHEDULE

B

Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7400	Pendent.....	10	100	42	\$0 33
▲7401	1/8" brass cap.....	10	100	42	37
▲7405	3/8" brass cap.....	10	100	42	40

Standard finishes of porcelain sockets are gray, brown and white. Gray shipped unless otherwise specified.

Standard finishes of nozzles are brush brass and polished brass. Brush brass shipped unless otherwise specified. For polished nickel finish add 2 cents to list price.

▲ *National Electrical Code Standard.*



C-H White Porcelain Socket used with an all-white bracket makes a pleasing fixture. A touch of the button lights or extinguishes the lamp.



Only one hand needed to operate. C-H Pendent Sockets are suited for factories, storehouses, basements and wherever drop lamps are employed.

Manufactured by



The Cutler-Hammer Mfg. Co., Milwaukee

Special Finishes for C-H Sockets and Pull Switches

The standard finish on all brass shells and the brass portions of porcelain devices in brush brass, which will be supplied where no finish is specified. Polished brass will be furnished at the same list price. We are prepared, however, to furnish at short notice, any of the special finishes given below.

To those who wish to do their own finishing we furnish unfinished sockets at the same list price as brush brass. Much expense and labor may be saved by purchasing sockets unassembled, the interiors, linings, etc., being packed separately. Sockets furnished in this manner carry the same list price as assembled sockets but save dis-assembling where customer prefers to do his own finishing.

Complete Sockets and Pull Switches	Push and Keyless Sockets	Pull Switches	Socket & Switch Caps or Socket Bodies Each	Switch Bodies	Complete Sockets and Pull Switches	Push and Keyless Sockets	Pull Switches	Socket & Switch Caps or Socket Bodies Each	Switch Bodies
*Acid Bronze.....	\$0.06	\$0.10	\$0.03	\$0.07	*Ormolu Gilt.....	\$0.06	\$0.10	\$0.03	\$0.07
Acid Copper.....	.04	.10	.02	.08	Oxidized Brass.....	.04	.10	.02	.08
Antique Brass.....	.04	.10	.02	.08	Oxidized Copper.....	.04	.06	.02	.04
*Antique Bronze.....	.06	.10	.03	.07	*Oxidized Silver.....	.06	.15	.03	.12
Antique Copper.....	.04	.10	.02	.08	*Polished Bronze.....	.06	.10	.03	.07
Bauer Barff.....	.02	.03	.01	.02	Polished Copper.....	.04	.10	.02	.08
*Burnished Gilt.....	.06	.10	.03	.07	Polished Gilt.....	.02	.03	.01	.02
*Butler's Silver.....	.06	.15	.03	.12	Polished Nickel.....	.04	.06	.02	.04
*Cloister.....	.06	.10	.03	.07	*Polished Silver.....	.06	.15	.03	.12
*English Bronze.....	.06	.10	.03	.07	*Polished Steel.....	.06	.10	.03	.07
*Etruscan Gilt.....	.06	.10	.03	.07	*Pompeian Bronze.....	.06	.15	.03	.12
Flemish Brass.....	.04	.10	.02	.08	Rich Gilt.....	.02	.03	.01	.02
*Gold Bronze.....	.06	.10	.03	.07	*Roman Gold.....	.06	.15	.03	.12
*Ground Silver.....	.06	.15	.03	.12	*Sand Blast Antique Br.	.06	.15	.03	.12
*Gun Metal.....	.06	.15	.03	.12	*Sand Blast Special Br.	.06	.15	.03	.12
*Hardware Bronze.....	.06	.10	.03	.07	*Satin Gold.....	.06	.15	.03	.12
*Japanese Bronze.....	.06	.10	.03	.07	Statuary Bronze.....	.04	.10	.02	.08
Lemon Brass.....	.04	.10	.02	.08	*Verde Antique.....	.06	.15	.03	.12
Mottled Copper.....	.04	.10	.02	.08	*White Enamel.....	.06	.10	.03	.07
Old Copper.....	.04	.10	.02	.08	Wrought Iron.....	.02	.03	.01	.02
*Old English Bronze.....	.06	.10	.03	.07					

Standard and special finishes of one catalog number may be assorted to make up standard package.

* Finishes marked with an asterisk will be furnished for 2 cents less than price named when ordered in lots of 500 of one catalog number and one finish.

The standard finish of C-H Surface Switches is polished nickel; for other finishes, prices will be given on application.

Lengths of Push Buttons

To facilitate ordering, catalog numbers have been assigned to standard brass shell and candle length sockets with push-buttons of a length other than that furnished as standard, which is $1\frac{1}{2}$ ". Sockets with push-buttons of the various lengths are furnished, however, at the same price as those with the standard length.

Standard package quantities may be assorted to include any or all of the various sizes in unit package quantities or multiples thereof.

SOLID BUTTON BRASS SHELL SOCKETS			SOLID BUTTON BRASS SHELL SOCKETS			REMOVABLE BUTTON BRASS SHELL SOCKETS		
Cat. No.	Cap.	Length of Buttons	Cat. No.	Cap.	Length of Buttons	Cat. No.	Cap.	Length of Buttons
7800	$\frac{1}{8}$ "	$1\frac{1}{2}$ "	7813	$\frac{3}{8}$ " Male	$1\frac{1}{2}$ "	7510	$\frac{1}{8}$ "	$2\frac{1}{16}$ "
7802	$\frac{1}{8}$ "	$2\frac{1}{16}$ "	7815	$\frac{3}{8}$ " "	$2\frac{1}{16}$ "	7512	$\frac{1}{4}$ "	$2\frac{1}{16}$ "
7804	$\frac{1}{8}$ "	$2\frac{1}{8}$ "	7817	$\frac{3}{8}$ " "	$2\frac{1}{8}$ "	7514	$\frac{3}{8}$ "	$2\frac{1}{8}$ "
7806	$\frac{1}{4}$ "	$1\frac{1}{2}$ "	7818	Pendent	$1\frac{1}{2}$ "	7530	$\frac{1}{8}$ " Male	$2\frac{1}{16}$ "
7808	$\frac{1}{4}$ "	$2\frac{1}{16}$ "				7532	$\frac{1}{4}$ "	$2\frac{1}{16}$ "
7810	$\frac{1}{4}$ "	$2\frac{1}{8}$ "				7534	$\frac{3}{8}$ "	$2\frac{3}{16}$ "
7812	$\frac{3}{8}$ "	$1\frac{1}{2}$ "						
7814	$\frac{3}{8}$ "	$2\frac{1}{16}$ "						
7816	$\frac{3}{8}$ "	$2\frac{1}{8}$ "						
7801	$\frac{1}{8}$ " Male	$1\frac{1}{2}$ "						
7803	$\frac{1}{8}$ "	$2\frac{1}{16}$ "						
7805	$\frac{1}{8}$ "	$2\frac{1}{8}$ "						
7807	$\frac{1}{4}$ "	$1\frac{1}{2}$ "						
7809	$\frac{1}{4}$ "	$2\frac{1}{16}$ "						
7811	$\frac{1}{4}$ "	$2\frac{1}{8}$ "						

SOLID BUTTON CANDLE LENGTH SOCKETS			REMOVABLE BUTTON CANDLE LENGTH SOCKETS		
Cat. No.	Cap.	Length of Buttons	Cat. No.	Cap.	Length of Buttons
7820	$\frac{1}{8}$ "	$1\frac{1}{2}$ "	7564	$\frac{1}{8}$ "	$2\frac{1}{16}$ "
7822	$\frac{1}{8}$ "	$2\frac{1}{16}$ "	7566	$\frac{1}{4}$ "	$2\frac{1}{16}$ "
7824	$\frac{1}{8}$ "	$2\frac{1}{8}$ "	7568	$\frac{3}{8}$ "	$2\frac{1}{16}$ "
7826	$\frac{1}{4}$ "	$1\frac{1}{2}$ "			
7828	$\frac{1}{4}$ "	$2\frac{1}{16}$ "			
7830	$\frac{1}{4}$ "	$2\frac{1}{8}$ "			
7832	$\frac{3}{8}$ "	$1\frac{1}{2}$ "			
7834	$\frac{3}{8}$ "	$2\frac{1}{16}$ "			
7836	$\frac{3}{8}$ "	$2\frac{1}{8}$ "			

Note:—For special installations a button $3\frac{7}{8}$ " over-all can be furnished in addition to the above. This is of the solid type.



C-H Candelabra Switches

This switch is designed for controlling electric candelabra lamps. Its construction and some of its many applications are shown in the accompanying illustrations, the phantom view on this page showing very clearly the method of inserting the switch in a standard candelabra cup.

In spite of its small size this switch is very substantial in all its parts and its current carrying capacity ($\frac{1}{2}$ ampere at 125 volts) is in excess of the current consumed by any candelabra lamp on the market. It is easier to install and easier to operate than the key-arm switch, is adapted more readily to any style of candle cup, makes and breaks the circuit with a quicker snap, and being constructed of insulating material, is proof against grounds or short circuits. These advantages, considered in connection with its moderate price, are the reason for its extensive use by leading fixture manufacturers.

CANDELABRA PUSH SWITCH Porcelain Body

$\frac{1}{2}$ Ampere 125 Volts



C-H 7150

SCHEDULE H

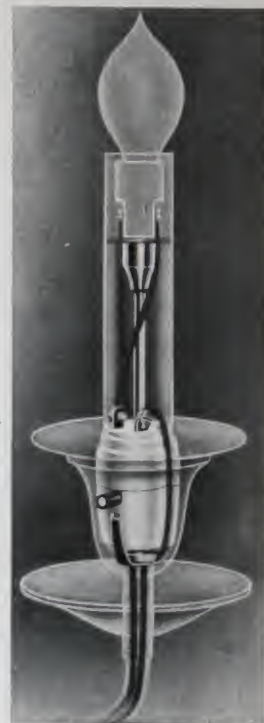
Cat. No.	Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7150.....	20	100	20	\$0 90

The standard stem furnished with this switch is for 4" candle. Stems for 3" or 5" candle will be substituted without extra charge if specified. Price includes stem, spider piece for supporting the switch, and fiber washer for holding the candle concentric with the stem and socket.

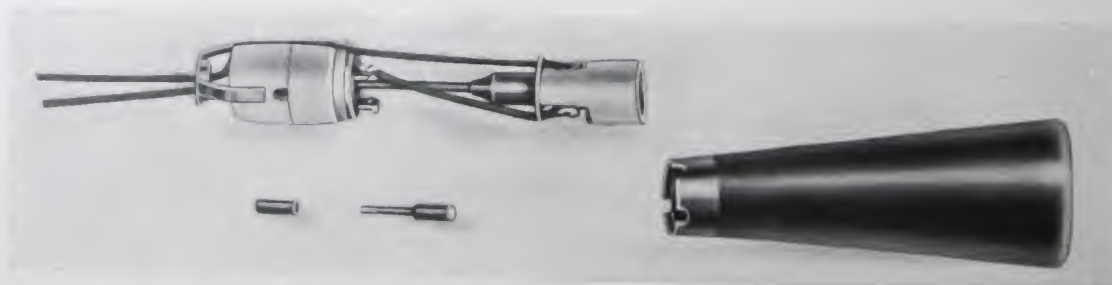
Standard push-bars are $1\frac{5}{8}$ " long. Bars $1\frac{3}{4}$ " or 2" long substituted without extra charge if specified.

Extra Stems, 6 cents list. Standard package, 50. Extra Push Bars, 10 cents each.

▲ National Electrical Code Standard.



Phantom view of C-H Candelabra Switch installed in standard candle cup.



This illustration shows the various parts of the C-H Candelabra Switch properly assembled and wired. The push-bar is not adjusted until the switch is inserted in candle cup. To the right is shown the special wrench designed for setting up the spider which supports the switch.



C-H Candelabra Switches



Illustrating method of installing C-H Candelabra Switch.

The illustrations on these pages show the construction and some of the many applications of C-H Candelabra Switches. We do not manufacture nor sell fixtures, those here illustrated being shown for the purpose of making clear the manner in which C-H Candelabra Switches may be used with fixtures of various kinds.



Electric portable with C-H Candelabra Switch installed.



C-H Candelabra
Type Push Switches
installed in
decorative bracket
fixtures.



From left to right: three-pronged spider, push-bar (in two pieces), body of insulation material containing switch mechanism and binding posts, socket stem, fiber washer and candelabra socket (the latter is not furnished with switch.)



C-H CANOPY SWITCHES



C-H 7151



C-H 7152



C-H 7155



C-H 7141



C-H 7156

These pull-and-push switches are designed for use with electric fixtures and portables but their small dimensions and comparatively high current carrying capacity make them suitable for many other purposes.

The working parts are entirely enclosed in a body of Thermoplas, an insulating material which is fireproof and waterproof and at the same time can be moulded with such unusual accuracy as to make possible a perfect alignment of the parts and secure the utmost reliability in the working of the mechanism. As an additional precaution against grounds or short-circuits, the portion of the switch that comes in contact with the canopy is protected by a fibre cap.

The method of installing these switches is clearly shown in the phantom views on opposite page.

PUSH BUTTON IN TO CLOSE CIRCUIT

3 Amps., 125 Volts

1 Amp., 250 Volts

SCHEDULE H Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
*7151	With $\frac{3}{16}$ " stem and bushing for sheet metal canopy.....	20	100	11	\$0 75
*7152	With $\frac{3}{16}$ " stem and bushing, for cast metal canopy.....	20	100	12	80
*7153	With 1" stem and bushing.....	20	100	13	85
*7154	With $\frac{3}{4}$ " stem and bushing.....	20	100	13	84
*7155	With $\frac{1}{2}$ " stem and bushing, and with knob threaded $\frac{1}{4}$ " by 27 to receive standard bottom fixture knob	20	100	12	80

REMOVABLE PUSH-BUTTON TYPE

*7141	With $\frac{3}{16}$ " stem and bushing, for sheet metal canopy.....	20	100	11	\$0 75
*7142	With $\frac{3}{16}$ " stem and bushing, for cast metal canopy.....	20	100	12	80

PULL BUTTON OUT TO CLOSE CIRCUIT

3 Amps., 125 Volts

1 Amp., 250 Volts

*7157	With $\frac{1}{4}$ " stem and bushing, for sheet metal canopy.....	20	100	11	\$0 75
*7158	With $\frac{3}{16}$ " stem and bushing, for cast metal canopy.....	20	100	12	80

Standard Finish: Polished Brass, Brush Brass or Polished Nickel.

These switches are provided with leads of National Electrical Code Standard fixture wire.

Assortment (in unbroken unit packages) of 100 Catalog Nos. 7151, 7152, 7153, 7154 and 7155, 7157 and 7158, or 7141 and 7142 may be made to make standard package.

YOKE FOR CATALOG NO. 7155 CANOPY SWITCH

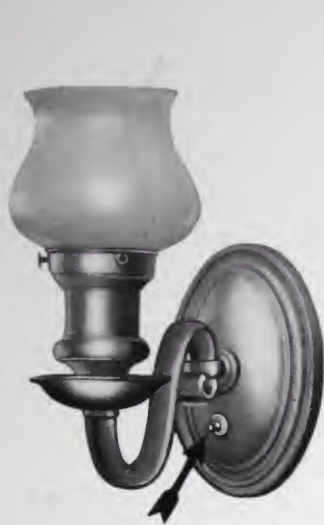
7156	Copper plated steel yoke.....	50	50	1	\$0 05
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No. 7156 is a copper plated steel yoke or support mounting Catalog No. 7155 in the bottom shell of a ceiling fixture.

* National Electrical Code Standard.



C-H Canopy Switch Applications



Bracket equipped with canopy switch.



Portable lamp with canopy switch in base.



C-H Canopy Switch installed in canopy of wall bracket. Easier to reach than the lamp socket.

The control of a bracket light by means of a C-H Canopy Switch saves reaching to the socket and allows complete enclosure of the lamp socket by the husk, which is sometimes desirable.



Phantom view of No. 7155 canopy switch installed with No. 7156 yoke in bottom shell of ceiling fixture.



Phantom view of canopy switch in bracket canopy showing location of switch and connections.



C-H Feed-Through Switches

MAKE THE USE OF ELECTRIC IRONS AND TOASTERS MORE CONVENIENT



C-H 7040



C-H 7044



C-H 7050

One of the premier advantages of electricity and electrical appliances is the ease of control. A child can, by the mere push of a button, control this powerful agent.

To use an electric appliance without having this easy control is needless, to-day. The feed-through switch may be installed on the cord of any appliance just at the location desired.

Used with the toaster for instance, it saves reaching up to the overhead fixture socket or going to the wall switch. It lays on the table within convenient reach of milady's finger tips.

Pressure on the light button allows current to flow to the toaster but the instant the black button is depressed the current is "off."

With electric irons it is not only a convenience but it relieves the socket from the wear of making and breaking the current and thus saves it from burning out. By noting whether the black or light button is depressed it can be seen at once whether the current is "on" or "off" and the danger of overheating of the iron by going away with the current "on", is eliminated.

SINGLE CIRCUIT SWITCHES

Single Pole		{ 6 Amps., 125 Volts 3 Amps., 250 Volts			
SCHEDULE		Unit	Std.	Wt. Lbs.	
H		Pkg.	Pkg.	Std. Pkg.	Each
Cat. No.					
▲7040	Brass shell, composition buttons.....	10	50	8	\$0 60
▲7041†	Brass shell, composition buttons.....	10	50	8	60
▲7042	Brass shell, condensite buttons.....	10	50	8	70
▲7043†	Brass shell, condensite buttons.....	10	50	8	70

†Same as 7040 but supplied with knock-out bushings which may be cut to allow passage of cords of larger diameter.

THREE-HEAT SWITCH

▲7044	Brass shell.....	10	50	15	\$1 00
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Note:—Three heat switches can only be used with appliances, having two circuits. Notched buttons indicate to the touch which heat is being used.

The standard finish of Brass Shell Feed Through Switches is polished nickel, brush brass furnished at no extra charge.

Nationally
Advertised

C-H
Seventy-Fifty
SWITCH

Nationally
Used

Single Pole		{ 6 Amps., 125 Volts 3 Amps., 250 Volts			
SCHEDULE		Unit	Std.	Wt. Lbs.	
H		Pkg.	Pkg.	Std. Pkg.	Each
Cat. No.					
▲7050	Moulded Thermoplas (single circuit).....	10	50	8	\$0 40

Condensite push-buttons can be supplied at an additional of 10c list.

▲ National Electrical Code Standard.

C-H Seventy-Fifty Switches are packed in attractive cartons as shown to the right. These are provided to permit displaying on counter or in the window.



C-H *Seventy Fifty*
7050 SWITCHES



**SAVES
CURRENT
BETWEEN
SLICES**

No need to jump up,—just push the button.



**THE BUTTONS
TELL WHETHER
CURRENT IS
"ON" or "OFF"**

No danger of fire due to leaving current "on" accidentally.

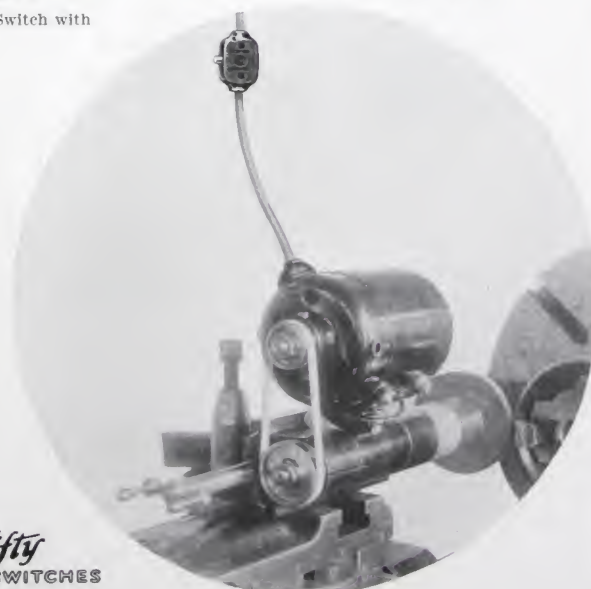


The switch gives ready control and saves current.

C-H 7044 Three-heat Switch with Percolator.



The control is where the operator can easily reach it.



C-H *Seventy Fifty*
7050 SWITCHES



C-H PENDENT SWITCHES

PORCELAIN TYPE

C-H Push Button Pendent Switches are made with three kinds of shells:—porcelain, brass, and porcelain with brass cap. All have the same operating push buttons and simple mechanism, which is characteristic of C-H Switches and Sockets. A high capacity pendent switch is thus provided for every use and purpose.

The brass shell and all-porcelain switches are made for pendent use (cord suspension). The porcelain switches with brass caps are made for attachment directly to fixtures and other lighting units. When provided with composition bushings they also may be used for cord suspension.

The brass shell pendent switch catalog No. 7007 has been called, "The daintiest switch on the market." The two-circuit switches, catalog No. 7020 and 7021, make possible the separate control of two lamps, two groups of lamps, or a ceiling fan and lamps from the same switch.

The porcelain switch shells are non-conductors and especially suitable for installation in bathrooms, basements, laundries, breweries, and other damp locations, where it is desirable to guard against the possibility of shock. They can always be made to look like new after years of service, by wiping with a moist cloth.

PORCELAIN PENDENT SWITCHES



C-H 7000

Single Pole

{ 6 Amps., 125 Volts
3 Amps., 250 Volts

SCHEDULE H

Cat. No.	Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7000.....	10	100	30	\$0 50

Standard Finish: Gray. White and Brown when specified.

Standard package may be made up of unbroken unit packages of assorted colors.



C-H 7010

Single Pole

{ 10 Amps., 125 Volts
5 Amps., 250 Volts

▲7010.....	10	100	40	\$0 70
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Standard Finish: Gray. White and Brown when specified.

Standard package may be made up of unbroken unit packages of assorted colors.



C-H 7020

Two-Circuit

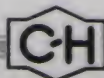
{ 6 Amps., 125 Volts
3 Amps., 250 Volts

▲7020.....	10	50	25	\$1 00
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Standard Finish: Gray. White and Brown when specified.

Standard package may be made up of unbroken unit packages of assorted colors.

▲ National Electrical Code Standard.



C-H PENDENT SWITCHES

BRASS CAP and BRASS SHELL TYPES

BRASS CAP PENDENT SWITCHES

Single Pole

{ 6 Amps., 125 Volts
3 Amps., 250 Volts

SCHEDULE

H Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7001	Threaded for $\frac{1}{8}$ " pipe.....	10	100	34	\$0 55
▲7002	Threaded for $\frac{3}{8}$ " pipe.....	10	100	34	60
▲7003	For Pendent use only.....	10	100	31	55

Cap for C-H 7003 has composition bushing with $\frac{1}{32}$ inch hole for reinforced cord.

Standard Finish: Gray. White and Brown when specified.

Assortment (in unbroken unit packages) of 100 Catalog Nos. 7001 7002 and 7003 may be made to make standard package.



C-H 7001

Three-Way

{ 6 Amps., 125 Volts
3 Amps., 250 Volts

▲7004	Threaded for $\frac{1}{8}$ " pipe.....	10	50	17	\$0 70
▲7005	Threaded for $\frac{3}{8}$ " pipe.....	10	50	18	75
▲7006	For Pendent use only.....	10	50	17	70

Cap for 7006 has composition bushing with $\frac{1}{32}$ inch hole for reinforced cord.

Standard Finish. Gray. White and Brown when specified.

Assortment (in unbroken unit packages) of 50 Catalog Nos. 7004, 7005 and 7006 may be made to make standard package.



C-H 7005

BRASS SHELL PENDENT SWITCHES

Single Pole

{ 6 Amps., 125 Volts
3 Amps., 250 Volts

▲7007.....	10	100	15	\$0 50
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Standard Finish: Brush Brass. Polished Brass, no additional charge.

For switches in any other finish add 10 cents to list price.

Assortment of finishes in full unit packages of 10 each may be made to make standard package.



C-H 7007

Two-Circuit

{ 6 Amps., 125 Volts
3 Amps., 250 Volts

▲7021.....	10	50	14	\$1 00
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Standard Finish: Brush Brass. Polished Brass, no additional charge.

For switches in any other finish add 10 cents to list price. Standard package may be made up of assortment of finishes in full unit packages of 10 each.



C-H 7021

▲ National Electrical Code Standard.



C-H DOOR SWITCHES

Door Switches are now recognized as being as important as the standard wall switch. They provide a convenience for the control of such lights as are used in closets, booths or other rooms, and because they are automatically operated by the closing and opening of the door, provide an actual economy through allowing the use of current only when required.

Forgetting to turn off a light in a closet causing it to burn all day or all night just a few times not only shortens the useful life of the lamp but means a waste of current that soon offsets the cost of a door switch.



A C-H Door Switch is installed in the door frame of this hotel closet for automatically lighting the lamp when the door is opened and extinguishing it when door is closed.

C-H Door Switches are made for installation in the hinge side of the jamb of a door and have the full single lighting circuit capacity—6 amperes and therefore may be used for controlling one lamp or a number.

Switches Nos. 7240 and 7245 are so designed that the light is switched on when the door is opened and extinguished when the door is closed. This type of switch is suitable for installation in clothes closets, linen closets, pantries, entrance halls and vaults—in short in any locality where it is desirable to have a light switched on when one opens the door and extinguished when the door is closed.

Switches Nos. 7241 and 7246 are designed to switch the light on when the door is closed and to extinguish it when door is opened. This type of switch is used principally in connection with telephone booths, toilets, etc.,—that is to say in any location where one would naturally close the door after entering.

DOOR BOLT SWITCHES

To prevent the wasteful use of electric light in guest-rooms, hotels often display in each room a sign reading, "Please turn out the lights when leaving the room." The C-H Door Bolt Switch has been designed to accomplish what the sign aims to do. When the occupant of a room leaves and locks the door from the corridor side, this switch is operated by the bolt, the lights within the room cut off, and the wall switch made inoperative. When the door is again unlocked, the wall switch may be used to control the light.

These Door Bolt switches although similar in appearance to the Door switches illustrated on the next page are operated by the lock bolt of a two-bolt lock, such as, is generally used in hotels. They are mortised in the lock side of the door jamb approximately one-half inch back of the strike, which may be either a flat or box strike. These switches are connected in series with the regular wall switch, which controls the lights within the room, and necessitate but very little additional wiring, as the regular lighting switch is usually installed near the door.



C-H DOOR SWITCHES

WITH PLATE AND APPROVED BOX FOR ARMORED CABLE

SCHEDULE		6 Amps., 125 Volts	3 Amps., 250 Volts		
Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7240	Circuit closed when door is open...	5	25	20	\$2 50
▲7241	Circuit closed when door is closed...	5	25	20	2 50

Supporting screw holes are spaced $3\frac{1}{8}$ " on centers.

Note—The box is $1\frac{1}{2}$ " wide by $2\frac{3}{4}$ " long and is arranged for use only with armored No. 14 two-wire cable. The plate is $4\frac{5}{8}$ " by $1\frac{1}{4}$ " and will fit no other box. These switches are enclosed in approved boxes and it is not necessary to install conduit or outlet boxes.

WITHOUT BOX BUT WITH UNIVERSAL PLATE

		6 Amps., 125 Volts	3 Amps., 250 Volts		
▲7245	Circuit closed when door is open...	5	25	15	\$2 25
▲7246	Circuit closed when door is closed...	5	25	15	2 25

No outlet box is furnished with these switches but with the "Universal Plate" and the yoke by which it is attached to the switch any door switch outlet box may be used regardless of distance between screw holes. The plate is $5\frac{3}{8}$ " by $1\frac{3}{8}$ ".

Supporting screw holes are spaced $4\frac{1}{4}$ " on centers.

Assortment (in unbroken unit packages) of 25 Catalog Nos. 7240, 7241, 7245 and 7246 may be made to make standard package.

DOOR BOLT SWITCH

▲7242	Circuit open when door is locked...	5	25	20	\$3 00
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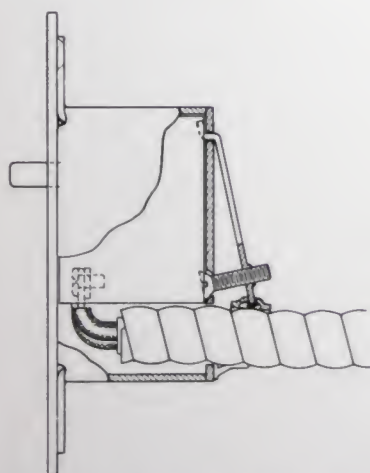
▲ National Electrical Code Standard.



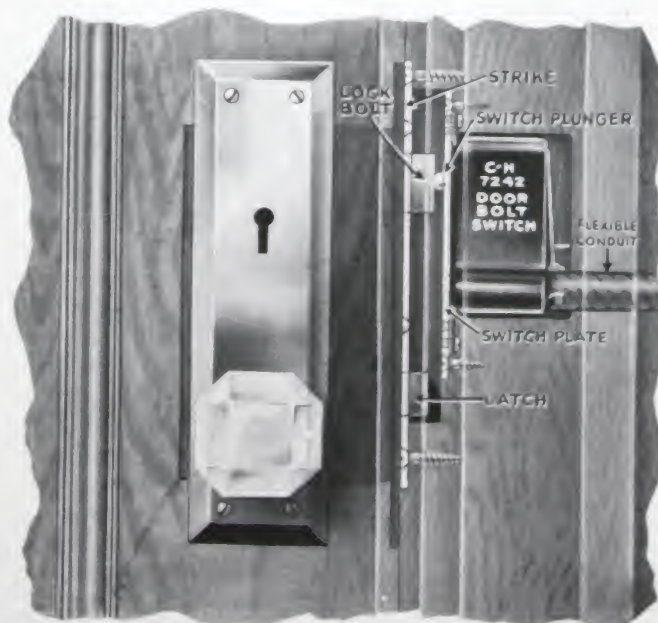
C-H 7240
C-H 7241



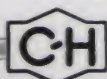
C-H 7245
C-H 7246



Sketch showing method of fastening armored cable in C-H Door Switches Catalog Nos. 7240 or 7241.



This phantom view shows the C-H Door Bolt Switch Cat. No. 7242 mounted in the door jamb with wood screws. They can also be mounted on the strike by using spacers and machine screws furnished with the switch or directly on the back of a box strike without the spacers. Two holes are tapped in the switch plate for the screws. The drilling of the strike is shown.



C-H SNAP SWITCHES



C-H 7103

C-H Push Button Surface Snap Switches lie flat against the wall. There is nothing protruding—nothing to be broken off, or untwisted and lost. The operating push buttons are not removable and as one is black and the other white, they are self-indicating. Their operation is natural. The hand need not be twisted in operating. They are made for use with all kinds of wiring systems, wooden and metal moulding, open wiring, conduit, and concealed wiring. No. 7105 with a special base is designed for use with Paiste Taplets. No. 7103 may be used with Crouse-Hinds' Condulets.



C-H 7108



C-H 7110



C-H 7112



C-H 7120

INDICATING SURFACE SNAP SWITCHES

Single Pole

5 Amps. 125 Volts 3 Amps. 250 Volts

SCHEDULE Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7103	Rectangular Porcelain Base.....	10	100	32	\$0 35
	Supporting screw holes are spaced $1\frac{1}{8}$ " on centers.				
▲7105	For Paiste Taplets.....	10	100	32	35
	Supporting screw holes are spaced $2\frac{3}{4}$ " on centers.				
▲7108	Round Porcelain Base.....	10	100	24	32
	Outside diameter of base 2". Supporting screw holes are spaced $1\frac{3}{8}$ " on centers.				
▲7110	Round Slotted Porcelain Base.....	10	100	24	32
	Outside diameter of base 2". Supporting screw holes are spaced $1\frac{3}{8}$ " on centers.				
▲7112	One way base, For National Metal Molding.....	10	100	38	40
▲7114	Two way base, For National Metal Molding.....	10	100	30	40
	Outside diameter of base 2". Supporting screw holes are spaced $1\frac{3}{8}$ " on centers.				

Caps with slot for inserting label furnished when specified.

All C-H Snap Switches have a white glazed base and a polished nickel cap.

A standard package may be made up of an assortment (in unbroken unit packages) of any one catalog number with and without label holders.

▲ National Electrical Code Standard.

PORCELAIN SUB-BASES

For C-H Surface Switch No. 7103

7120	For open wiring.....	20	100	38	\$0 05
7121	For end of molding.....	20	100	38	05
7122	For concealed wiring.....	20	100	42	05

A standard package may be made up of an assortment (in unbroken unit packages) of 100 sub-bases.



C-H PULL SWITCHES

6 AMPERES CAPACITY

Just as "C-H" on a socket means 660 watt capacity instead of 250—so the same "C-H" on a pull switch means 6 ampere capacity instead of the usual 3.

The ingenious "C-H" mechanism employed has a quick snappy action and easily handles the large current for which this switch has been designed.

C-H six ampere pull switches despite their large capacity are of small and neat design, the shells being interchangeable with "C-H" brass shell sockets.

The pendent types "C-H" Nos. 7310 and 7311 have an approved Cord Strain Relief which eliminates the need for knotting of the cord.

The large capacity of C-H Pull Switches makes them of particular value for controlling large groups of lamps or lamps of high wattage.

Pull switches can be installed anywhere on the circuit and eliminate considerable wiring.



C-H 7320
Pull Switches.
C-H 7507
Brass Shell Sockets.

C-H PULL SWITCHES

Single Pole				{ 6 Amps., 125 Volts 3 Amps., 250 Volts			
SCHEDULE H	Cat. No.	Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each		
▲7300	1/8" cap.....	10	50	12	\$0 60		
▲7302	1/4" cap.....	10	20	5	69		
▲7304	3/8" cap.....	10	20	5	66		
▲7310	Pendent cap.....	10	20	5	60		
▲7312	1/8" male cap.....	10	20	5	60		
▲7313	1/4" male cap.....	10	20	5	69		
▲7314	3/4" male cap.....	10	20	5	69		

FIXTURE PULL SWITCHES

Single Pole				{ 6 Amps., 125 Volts 3 Amps., 250 Volts			
▲7306	1/8" cap.....	10	50	12	\$0 75		
▲7307	1/4" cap.....	10	20	5	84		
▲7308	3/8" cap.....	10	20	5	81		
▲7311	Pendent cap.....	10	20	5	75		
▲7315	1/8" male cap.....	10	20	5	75		
▲7316	1/4" male cap.....	10	20	5	84		
▲7317	3/8" male cap.....	10	20	5	84		

CEILING PULL SWITCH

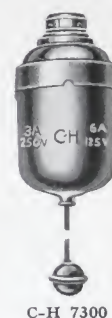
Single Pole				{ 6 Amps., 125 Volts 3 Amps., 250 Volts			
▲7320	Porcelain base.....	10	20	10	\$0 71		
▲7326	With base for 3 1/4" box..	5	50	60	78		
7594	2" Base only.....	10	50	15	18		
7590	3 1/4" Base only.....	5	50	22	25		

Standard Finish: Brush Brass. Polished Brass no additional charge.

Outside diameter of porcelain base (C-H 7320) is 2 inches. Supporting screw holes are spaced 1 inch on centers.

C-H Pull Switches are supplied with 6 feet of best quality linen cord. Additional cord will be furnished at one cent per foot

▲ National Electrical Code Standard.



C-H 7300



C-H 7310



C-H 7320



C-H 7311



C-H Tool-Handle Switches

FOR CONCEALED MOUNTING

Current Control in Tool Handles



C-H 7033

The vacuum cleaner pictured at the right has a small C-H push button Tool-Handle Switch installed in the handle which allows starting and stopping the cleaner without returning to the socket or attachment plug.

This type of switch is also used in the handles of automobile spotlights, soldering irons, branding irons, vibrators, tailors' cutters, etc.

The switch is enclosed in a fiber tube and a special type has removable push-buttons which can be removed and then replaced after the switch has been inserted in the tool handle.



C-H 7034

TOOL-HANDLE SWITCHES

Single Pole		660 Watts	250 Volts		
SCHEDULE		Unit	Std.	Wt. Lbs.	
Cat. No.	H	Pkg.	Pkg.	Std. Pkg.	Each
7033	Paper shell	20	100	7	\$0 40
7034†	Paper shell	20	100	7	40

† Same as 7033 but supplied with removable push-buttons.

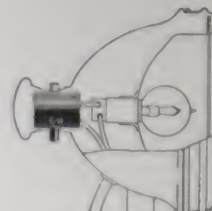
These switches are designed to be inserted in tool handles for example, the handle of an electric soldering iron, electric drill, vibrator, vacuum cleaner and similar devices.

Standard length button $1\frac{3}{4}$ ".

Buttons $2\frac{3}{8}$ " can be furnished without additional charge.



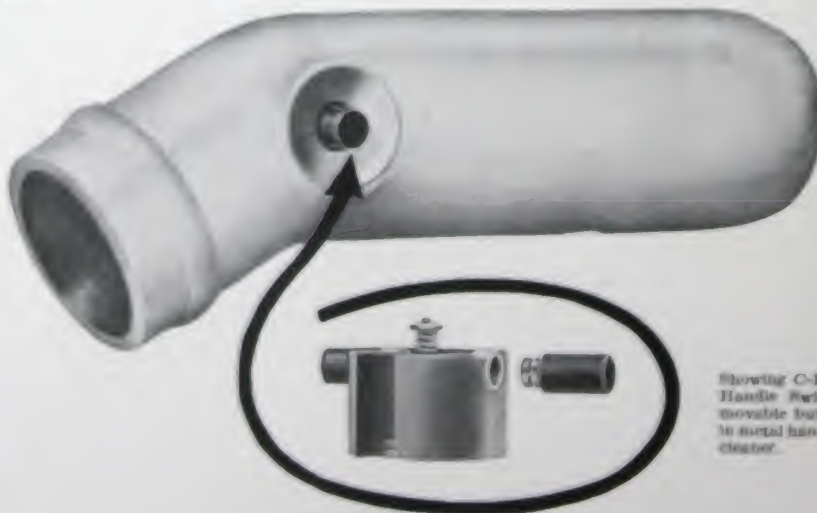
C-H Tool Handle Switch (No. 7034) in handle of tailor's cutter



Automobile Spotlight with C-H Switch (No. 7034) in handle



C-H Tool Handle Switch (No. 7033) in use with vacuum cleaner



Showing C-H 7034 Tool-Handle Switch with removable button installed in metal handle of vacuum cleaner.



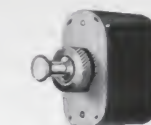
C-H Appliance Switches

FOR CONCEALED MOUNTING

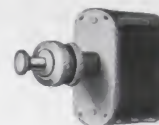
A demand has recently developed for the C-H Appliance Switch with canopy stem,—this stem serving as a means for concealed mounting. For mounting on thin metal the No. 7106 and 7117 with 5-16 inch stem serve the purpose. For mounting on heavier metal, longer stems are necessary, and the No. 7115 7116, 7118 and 7119 switches should be used.

These switches with fiber casing, can be used to advantage on Electrically Operated Stationary Devices, such as—Blue Printing Machines, Meat Choppers, Hat Cleaners, Polishers and Cleaners, Fountains, Freezers, Humidifiers, Ironing Machines, Coffee Mills, Phonographs, Moving Pictures, Ozonizers, Peelers and Parers, Photo Printers, Washing Machines, Dish Washers, Advertising Devices (electrically operated and electrically illuminated), Magnetic Chucks, Electro Therapeutic Apparatus, Perforating Machines, Churns and Cream Separators, where current consumed is not in excess of switch rating.

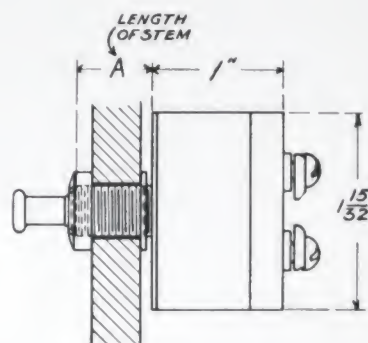
The switch with steel casing is suited for all low voltage work, being similar to C-H automobile lighting switches.



C-H 7106
Switch with steel casing and $\frac{5}{16}$ " stem



C-H 7116
Switch with steel casing and $\frac{7}{8}$ -inch stem.



Cat. No. 7106 and 7117 A— $\frac{5}{16}$ "
Cat. No. 7115 and 7118 A— $\frac{3}{8}$ "
Cat. No. 7116 and 7119 A— $\frac{7}{8}$ "

SWITCHES WITH STEEL CASINGS

Capacity, 10 Amperes, 80 Volts

SCHEDULE A

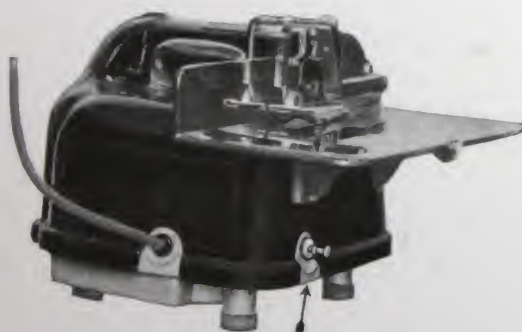
Cat No.	Length of Stem	Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
7106	$\frac{5}{16}$ inch	20	100	15	\$ 75
7115	$\frac{3}{8}$ inch	20	100	19	77
7116	$\frac{7}{8}$ inch	20	100	20	80

SWITCHES WITH FIBER CASINGS

Capacity 3 Amperes, 110 Volts

7117	$\frac{5}{16}$ inch	20	100	18	\$ 80
7118	$\frac{3}{8}$ inch	20	100	19	82
7119	$\frac{7}{8}$ inch	20	100	20	85

The Underwriters approve this switch for use on 110 volts if properly installed with sufficient clearance for terminals, but will not pass it until installation is inspected.



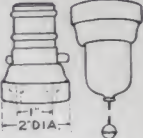
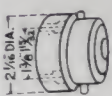
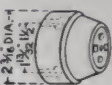
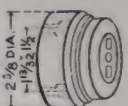
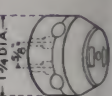
C-H Appliance Switch on Lightning Letter Opener

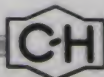


A C-H Appliance Switch (C-H 7117) in use with an electric dish washer—but one of a large number of possible uses.



CONDUIT FITTINGS FOR C-H RECH

		 C-H 7550 C-H 7551 C-H 7320 C-H 7561	 C-H 7108	 C-H 7717	 C-H 7618	 C-H 7730
The Adapti Company	Adapti Boxes					
	Covers	No. 2	No. 2	No. 2	No. 2	
Appleton Electric Company	Unilets and Boxes with Covers	Forms 5 & 10, "G" & "H" series, Forms 5 & 10, "GN" & "HM" series with No. 7701 & 7702—"WD" series with No. 5015 cover. Outlet boxes 3-R & 3-O, with No. 8317 cover; 4-R, 4-RD, 4-O & 4-OD, with 8404 cover; also 4-S, 4-SD, 4-SC & 4-SCD, with No. 8478 & 8478A covers.	Same as column to the left	Same as column to the left	Same as column to the left	"W" Series and Laundry Fitting
Chicago Fuse Mfg. Co.	"Union" Boxes	103-106-180	103-106-180	103-106-180	103-106-180	
	"Union" Covers	103E-106M-180 I	103E-106M-180 I	103E-106M-180 I	103E-106M-180 I	
Crouse-Hinds Company	Condulets	Form 5 "G" & "H" Series	Form 5 "G & H" Series	Form 5, "G" & "H" series, "QH" series, type "QPB". Form 1096 "QE" series. "S" series with "OO" cover	Forms 5 & 10, "G & H" series, Type "QPB". Form 1096 "QE" series.	"S" series with "OO" cover, "W" series, Type "QPB".
National Metal Molding Company	"National" Boxes					
	"National" Covers		No. 24S-26S-28S-24AS-26AS-28AS-342 R.	Same as column to the left	Same as column to the left	
H. T. Paiste Company	Pipe Tablets	All types and sizes round base pipe tablets, Form 5. All types 1/2" x 3/4" sizes, tablets having rectangular openings with adapters 5263 & 5264. All types 1" & 1 1/4" sizes, pipe tablets having rectangular openings with reducing cover 631 and adapters 5263 & 5264.	Same as column to the left	Same as column to the left	Same as column to the left	Form 10, round opening pipe tablet of all types and with all hub sizes with out switch ring a bar, No. 651 cover and strap required
Pratt Chuck Company	Boxes		FA-FQ-CA-CF	FA-FQ-CA-CF	FA-FQ-CA-CF	
Sprague Electric Company	Boxes					
	Covers and Adapters		6263-6312-6319-6363-6412-6419	Same as column to the left	Same as column to the left	
Steel City Electric Company	Boxes					
	Covers	AJ-BJ-CJ-DJ	AJ-BJ-CJ-DJ	AJ-BJ-CJ-DJ	AJ-BJ-CJ-DJ	
Thomas and Betts Company	Boxes					
	Covers	41S-51S-619-626-649-655	Same as column to the left	Same as column to the left	Same as column to the left	
V. V. Fittings Company	V. V. Fittings	No. 1 Size Type 5 using 5014 cover	No. 1 & 2 Sizes Type 5 using 5014 and 5024 covers	Same as column to the left	Same as column to the left	No. 2 size, Type with 5026 cover saddle



#

Automatic Control for Stationary Vacuum Cleaners with a C-H No. 7614 Vacuum Cleaner Receptacle

To start the cleaner the cap which is attached to the hose is inserted in the receptacle. This closes an auxiliary circuit to the starting equipment.

Where two or more outlets are provided the receptacles are wired in parallel so that inserting a cap in any receptacle will start the cleaner which will continue to run until all caps have been removed. Since the cap is attached to the hose, removing the latter results in disconnecting the cap and receptacle also.

The C-H 7600 type of receptacle is used because the cap is separable at any angle and since it is not interchangeable with others prevents the use of this receptacle for other purposes.

This automatic control insures against waste of current and unnecessary operation of the cleaner plant. It has many advantages over the method of having switches for each floor which the operator may forget to use and which must all be in the "off" position before the motor stops. With such a system, an employe using a cleaner connection on one floor and knowing that others are being used elsewhere on the system depends on them to close down with the usual result that the plant continues to run without performing any work and with consequent waste.

SCHEDULE P

CATALOG NUMBERS

Cat. No.		Unit Pkg.	Std. Pkg.	Wgt.	Each
7614	Device complete, including Receptacle, Plate, Cap and 14-inch Chain. Hose Clamp not furnished.....	10	50	45	\$2 40
7615	Cap only, with 14-inch chain, without hose clamp	10	50	15	1 55
▲7613	Receptacle and Plate.....	10	50	35	85

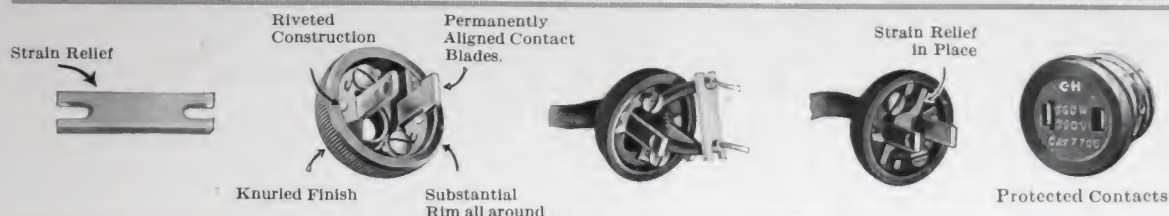
▲ National Electrical Code Standard.



C-H 7614
Vacuum Cleaner Receptacle with flush plate and attachment cap provided with chain. Hose clamp not furnished.



C-H "Standard" Interchangeable Plugs and Receptacles



Riveted Blade Construction — No Set Screws to Loosen

The C-H "Standard" Attaching Cap has parallel contact blades riveted to the Thermoplax body. This riveted blade construction is an outstanding characteristic of C-H devices and is made possible because Thermoplax insulating material is used and the hammer blow incident to riveting is easily withstood by this material. Riveting holds the blades in permanent alignment, there are no screws to loosen. The cap has no thin or weak sections and the appearance of the knurled finish is actually improved by use.

The arrangement of outlet contact slots and the attaching caps employed in the C-H 7700 Line of "Standard" Attachment Plugs and Receptacles conform to the standard adopted by the leading electrical manufacturers who by this move have made the "Standard" attaching caps interchangeable on the thousands of plugs and receptacles of their manufacture.

Interchangeability is very desirable in the factory or home where electrically operated devices equipped with various attaching caps are many times connected to plugs and receptacles furnished by several different manufacturers.

C-H Polarity Cap No. 7704 fits all "Standard" Plugs and Receptacles. Either a regular or polarized connection can thus be made interchangeable Cap No. 7702 or Cap No. 7704. The Polarity Cap No. 7704 has parallel blades similar to Cap No. 7702 but has one blade widened at the end to fit one correspondingly enlarged slot.

THE C-H 7700 LINE

ATTACHMENT PLUGS 660 Watts, 250 Volts

SCHEDULE P		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7700	"Standard" Sep. Attach't. Plug.....	25	100	14	\$0 25
▲7701	Base only	10	100	9	10
▲7702	"Standard" cap only	10	50	4	15
▲7704	Polarity Cap only	10	50	4	15
▲7705	Base and Polarity Cap No. 7704	25	100	14	25
▲7706	Brass Covered Cap only	10	50	8	25
▲7716	Attaching Cap Strain Relief		1000	2	2 25

CORD CONNECTOR 10 Amps., 250 Volts

▲7750	Body and Cap No. 7702.....	10	50	10	\$0 45
▲7752	Body only	10	50	10	30

MOTOR ATTACHMENT PLUG 10 Amps., 250 Volts

▲7755	Body and Base No. 7757.....	10	50	15	\$0 50
▲7752	Body only	10	50	10	30
▲7757	Base only	10	50	8	20
▲7758	Body and Polarity Base No. 7759.....	10	50	15	50
▲7759	Base only	10	50	8	20

▲ National Electrical Code Standard.



C-H 7700



C-H 7702



C-H 7706



C-H 7704



C-H 7750



C-H 7755



C-H "Standard" Interchangeable Plugs and Receptacles

(CONTINUED)

RECEPTACLES FOR FLUSH MOUNTING

10 Amps., 250 Volts.

FOR USE WITH PLATE WITHOUT HINGED LID

SCHEDULE

Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7710	Single Receptacle only.....	10	50	28	\$0 60
▲7711	Receptacle and Cap No. 7702.....	10	50	32	75
7646	Flush Plate, stamped 1-16 inch metal 2 3/4" x 4 1/2".....	25	50	15	35
Inside supporting screw holes are spaced 2 3/16" on centers.					
▲7720	Duplex Receptacle only.....	10	50	28	85
▲7721	Receptacle, two No. 7702 Caps.....	10	50	30	1 15
7722	Flush Plate, stamped, 1-16 inch metal 2 3/4" x 4 1/2".....	25	50	15	40
Holes for supporting screws are spaced 3 3/8" on centers.					

FOR USE WITH PLATE WITH HINGED LID

▲7753	Single Receptacle only.....	10	50	28	\$0 60
▲7754	Receptacle and Cap No. 7702.....	10	50	32	75
7643	Flush Plate with lid (solid).....	25	100	48	60
7645	Flush Plate with lid (struck-up).....	25	100	32	40

Inside supporting screw holes are spaced 2 3/16" on centers.
Holes for supporting screws are spaced 3 3/8" on centers.

FOR USE WITH ROUND PLATES

▲7733	Receptacle and 2 7/8" Round Plate...	1	50	30	\$0 85
▲7734	Receptacle, Plate and Cap No. 7702..	1	50	30	1 00

Receptacle is 1 7/16" in diameter.

Holes for supporting screws are spaced 1 7/8" on centers.

▲7736†	Receptacle and 3 5/8" Round Plate...	1	50	35	95
▲7737	Receptacle, Plate and Cap No. 7702..	1	50	35	1 10

†Plate will fit 3 1/4" outlet box.

Receptacle is 1 7/16" in diameter.

Holes for supporting screws are spaced 2 3/4" on centers.

The standard finishes of receptacle plates are Brush Brass and Polished Brass. Brush Brass shipped unless otherwise specified. Any special finish shown on page 17 can be furnished at an additional charge of 10 cents list except gold and silver which are 15 cents list.

▲ National Electrical
Code Standard.



C-H 7710
Receptacle with C-H 7646 Plate



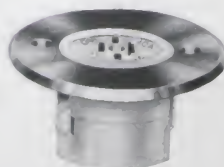
C-H 7720
Receptacle with C-H 7722 Plate



C-H 7753
Receptacle with C-H 7643 Plate



C-H 7736
Receptacle and 3 5/8"
Round Plate



C-H 7733
Receptacle and 2 7/8"
Round Plate



C-H "Standard" Interchangeable Plugs and Receptacles

(CONTINUED)

RECEPTACLES FOR CONDUIT FITTINGS AND METAL MOLDING

10 Amp., 250 Volts.

FOR 1/2" OBOURND CONDULETS

SCHEDULE

P Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7713	Receptacle only.....	10	100	38	\$0 40
▲7714	Receptacle and Cap No. 7702.....	10	50	23	55



C-H 7713
Receptacle for 1/2 in.
"Standard" conduit

FOR 1/2" and 3/4" PAISTE TAPLETS

▲7766	Receptacle only.....	10	50	20	\$0 35
▲7767	Receptacle and Cap No. 7702.....	10	50	23	50



C-H 7766
Receptacle for Paiste Taplets
1/2 inch and 3/4 inch sizes

FOR METAL MOLDING

▲7760	Receptacle only (one-way base)....	10	50	20	\$0 25
▲7761	Receptacle and Cap No. 7702.....	10	50	23	40
▲7763	Receptacle only (two-way base)....	10	50	20	25
▲7764	Receptacle and Cap No. 7702.....	10	50	23	40



C-H 7760
Receptacle for Metal
Molding with One-
Way Base

FOR CONDUIT BOX

▲7730	Receptacle only.....	10	50	20	\$0 25
▲7731	Receptacle and Cap No. 7702.....	10	50	23	40

Outside diameter of base 1 3/4".

Supporting screw holes are spaced 5/8" on centers.



C-H 7763
Receptacle for Metal
Molding with Two-
Way Base



C-H 7730
Receptacle for
Conduit Box

▲ National Electrical Code Standard.



C-H "Standard" Interchangeable Plugs and Receptacles

(CONTINUED)



C-H 7740
Receptacle for
Outlet Box



C-H 7774
Receptacle for
Outlet Box Cover



C-H 7727
Cleat Receptacle for
Open Wiring



C-H 7724
Surface Receptacle
for Open Work



C-H 7717
Surface Receptacle
for Concealed Work

RECEPTACLES FOR CONDUIT FITTINGS—(Continued)

10 Amps., 250 Volts.

FOR 3 1/4" OUTLET BOX

SCHEDULE P Cat No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7740	Receptacle only.....	5	50	24	\$0 35
▲7741	Receptacle and Cap No. 7702.....	5	50	27	50

Supporting screw holes in base are spaced on 2 3/4" centers.

Outside diameter of base 3 1/2".

FOR OUTLET BOX COVER

▲7774	Receptacle only.....	10	50	16	\$0 25
▲7775	Receptacle and Cap No. 7702.....	10	50	19	40

Will clamp outlet box cover having 1 1/16" inch diameter hole.

RECEPTACLES FOR SURFACE MOUNTING

10 Amps., 250 Volts.

FOR OPEN WORK

▲7727	Cleat Receptacle only	10	50	20	\$0 25
▲7728	Receptacle and Cap No. 7702.....	10	50	23	40
▲7724	Slotted Base Receptacle only.....	10	50	17	25
▲7725	Receptacle and Cap No. 7702.....	10	50	20	40

Outside diameter of base is 2 7/8".

Holes for supporting screws are spaced 1 1/2" on centers.

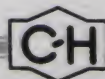
FOR CONCEALED WORK

▲7717	Receptacle only.....	10	50	17	\$0 25
▲7718	Receptacle and Cap No. 7702.....	10	50	20	40

Outside diameter of base is 2 3/8".

Holes for supporting screws are spaced 1 1/2" on centers.

▲ National Electrical Code Standard.



C-H "Standard" Interchangeable Plugs and Receptacles

(CONTINUED)

CURRENT TAPS AND ADAPTERS

660 Watts, 250 Volts.

WITH "STANDARD" BASE

**SCHEDULE
P**
Cat. No.

Unit
Pkg. Std.
Pkg. Wt. Lbs.
Std. Pkg. Each

Made of Porcelain

▲7707	Series Tap, without Plug Base.	10	50	13	\$0 35
▲7708	Multiple Tap, without Plug Base.	10	50	13	35

Made of Thermoplax Insulation

▲7786	Series Tap, without Plug Base.	10	50	13	40
▲7787	Multiple Tap, without Plug Base.	10	50	13	40



C-H 7708
Current Tap with "Standard"
contact blades for use
with "Standard"
receptacles

WITH EDISON BASE

Made of Porcelain

▲7770	Multiple, Body only.	10	50	20	\$0 35
▲7771	Body and Cap No. 7702.	10	50	24	50
▲7772	Series, Body only.	10	50	20	35
▲7773	Body and Cap No. 7702.	10	50	24	50

Made of Thermoplax Insulation

▲7782	Multiple Body only.	10	50	25	45
▲7783	Multiple Body and Cap No. 7702.	10	50	29	60
▲7784	Series Body only.	10	50	25	45
▲7785	Series Body and Cap No. 7702.	10	50	29	60



C-H 7770
Side Outlet Current Tap

TO CHANGE EDISON BASE RECEPTACLE TO "STANDARD"

▲7780	Adapter only.	10	100	13	\$0 10
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C-H 7780
Edison to "Standard"
Adapter

▲ National Electrical Code Standard.



C-H "Rock-off" Type Plugs and Receptacles



C-H 7604



C-H 7607



C-H 7600



C-H 7650



C-H 7655

The caps of the three styles of separable attachment plugs listed below (Nos. 7600, 7601 and 7602) are the same as those made for use with the C-H receptacles illustrated on page 41. A plug cap can therefore be used with a receptacle and a receptacle cap with the attachment plug base. The cap of the cord connector (No. 7650) and the base of the motor attachment plug (No. 7655) are also designed to fit the other devices so that by installing C-H attachment plugs, receptacles and cord connectors perfect interchangeability of these parts is secured. They will not, however, interchange with the "Standard" Line. The attaching cap holds four short contact blades arranged in parallel pairs. Each pair engages two clips which are mounted in the receptacle body and serve as stationary contacts. The unusual arrangement of contact blades and stationary contact clips allows removal of attaching cap from receptacle at any angle.

ATTACHING CAPS

10 Amps., 250 Volts

SCHEDULE P

Cat. No.	Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7604 White glazed porcelain.....	10	50	8	\$0 15
▲7607 Moulded Thermoplax.....	10	50	8	15

ATTACHMENT PLUGS

660 Watts 250 Volts

▲7600 White porcelain base and cap No. 7604.....	10	250	65	\$0 25
▲7601 White porcelain base and cap No. 7607.....	10	250	70	25
▲7602 Moulded Thermoplax base and cap No. 7607.....	10	250	60	35
▲7606 Moulded Thermoplax base only....	10	100	18	20

Assortment (in unbroken unit packages) of 250 Catalog Nos. 7600 and 7601 may be made to make standard package.

CORD CONNECTOR

10 Amps., 250 Volts

▲7650 Cord Connector, body and cap.....	10	100	23	\$0 45
▲7651 Body only.....	10	100	15	30

MOTOR ATTACHMENT PLUG

10 Amps., 250 Volts

▲7655 Base with body No. 7651.....	10	100	28	\$0 50
▲7656 Base only.....	10	100	13	20

Supporting screw holes are spaced 1" on centers.

▲ National Electrical Code Standard.



C-H "Rock-off" Type Porcelain Receptacles

WITH REMOVABLE CAPS

SINGLE FLUSH RECEPTACLE

660 Watts 250 Volts

SCHEDULE P Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
▲7610	Receptacle base only.....	10	50	23	\$0 50
▲7611	Receptacle with brass flush plate and cap No. 7604.....	10	50	26	1 00
▲7612	Receptacle with brass flush plate and cap No. 7607.....	10	50	25	1 00
▲7613	Receptacle with brass flush plate, without cap.....	10	50	23	85
7644	Flush Plate, without lid (struck up).....	25	100	14	35
7647	Flush Plate, without lid (solid).....	25	50	30	50



C-H 7613

ROUND BASE SURFACE RECEPTACLE

For Concealed Work

660 Watts 250 Volts

▲7616	Receptacle, with cap No. 7604.....	10	50	25	\$0 35
▲7617	Receptacle, with cap No. 7607.....	10	50	25	35
▲7618	Receptacle.....	10	50	23	20

Outside diameter of base $2\frac{3}{8}$ ". Supporting screw holes are spaced $1\frac{7}{16}$ " on centers.



C-H 7618

RECTANGULAR BASE RECEPTACLE

For Moulding Work

660 Watts 250 Volts

▲7621	Receptacle, with cap No. 7604.....	10	50	22	\$0 35
▲7622	Receptacle, with cap No. 7607.....	10	50	20	35
▲7623	Receptacle.....	10	50	18	20



C-H 7623

ROUND SLOTTED BASE RECEPTACLE

For Open Wiring

660 Watts 250 Volts

▲7627	Receptacle, with cap No. 7604.....	10	50	28	\$0 35
▲7628	Receptacle, with cap No. 7607.....	10	50	28	35
▲7629	Receptacle.....	10	50	22	20

Outside diameter of base $2\frac{3}{8}$ ". Supporting screw holes are spaced $1\frac{1}{2}$ " on centers.



C-H 7629

Edison Base

SCREW PLUG FLUSH RECEPTACLE

660 Watts 250 Volts

▲7642	Receptacle base only (SCHEDULE S) ..	10	100	60	\$0 30
7643	Flush plate, with lid (solid).....	25	100	48	60
7644	Flush plate, without lid (struck up) ..	25	100	14	35
7645	Flush plate, with lid (struck up $\frac{1}{16}$ " metal).....	25	100	32	40

Plates packed in individual cartons, then in packages of 25 each.

Plates are of $\frac{1}{16}$ inch metal, stamped $4\frac{1}{2}$ "x $2\frac{3}{4}$ ".

The standard finishes of receptacle plates are Brush Brass and Polished Brass. Brush Brass shipped unless otherwise specified. Any special finish shown on page 17 can be furnished at an additional charge of 10 cents list except gold and silver which are 15 cents list.

▲ National Electrical Code Standard.



C-H 7642-43



C-H Remote Control Switch

MAGNETICALLY OPERATED—MECHANICALLY LOCKED



C-H 7062
Triple Pole Remote Control Switch.
Single and Double Pole Types
also made.



C-H 7066
Push-Button Control Switch
with Flush Plate.

The C-H Remote Control Switch is designed for the central control of lighting circuits located at a distance from the controlling button or buttons. It is especially adapted for use in large buildings, libraries, theaters, halls, stores, etc. where control of some or all of the circuits of a certain floor or section of the building from a central point is desired.

The use of these switches saves copper wire.

A wiping effect given to the contacts every time the switch is closed, keeps the contact surfaces clean and insures a good contact at all times.

The switch is opened and closed by electro-magnets and controlled by one or more special push button switches which are normally in the open position and remain closed only when held by the operator. No current is used when closed because the switch is mechanically held by a latch which is tripped when the opening coil is energized.

Attention is called to the dimensions of the switch which are such as to permit its installation in a standard wall box. The depth of the switch open from the face of the slate panel is $3\frac{1}{8}$ " and from the back of the panel, $4\frac{5}{8}$ ".

C-H REMOTE CONTROL LIGHTING SWITCHES

Single Pole Switch—100 amps., 115 volts; 50 amps., 230 volts.

Double and Triple Pole—100 amps., 230 volts.

DIRECT CURRENT				ALTERNATING CURRENT			
Schedule C				Schedule C			
115-230 Volts				110-220 Volts			
Cat. No.	Poles	Wt. Lbs. Boxed	Each	Cat.No.	Poles	Wt. Lbs. Boxed	Each
7060	Single	17	\$32 00	7063	Single	17	\$32 00
7061	Double	18	40 00	7064	Double	18	40 00
7062	Triple	20	48 00	7065	Triple	20	48 00

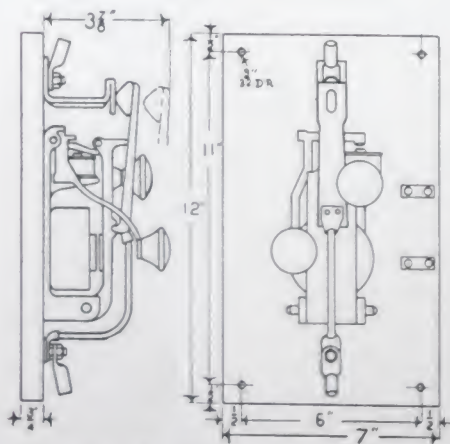
Standard finish of the contacts polished copper. The mechanism and slate base are dull black.

Alternating current switches furnished for 25 or 60 cycles, specify frequency and voltage when ordering.

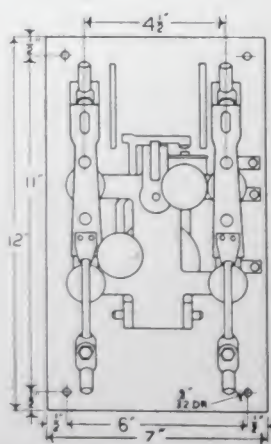
Catalog number includes switch complete, with one two circuit momentary contact push-button control switch Cat. No. C-H 7066 and one flush plate.

Deduct \$3.80 from list prices given above when switch is supplied without push-button control switch. Extra push-button control switches can be supplied at \$3.80 per switch.

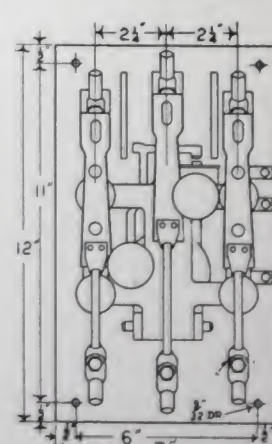
Push-button control switch C-H 7067 arranged for locking is listed at \$4.30.



Profile and Front Views of Single Pole Switch.



Front Views of Double Pole Switch.



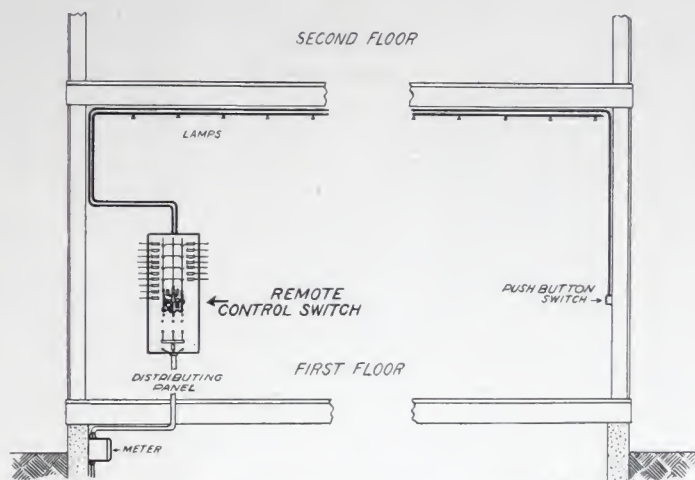
Front View of Triple Pole Switch.



C-H Remote Control Switches

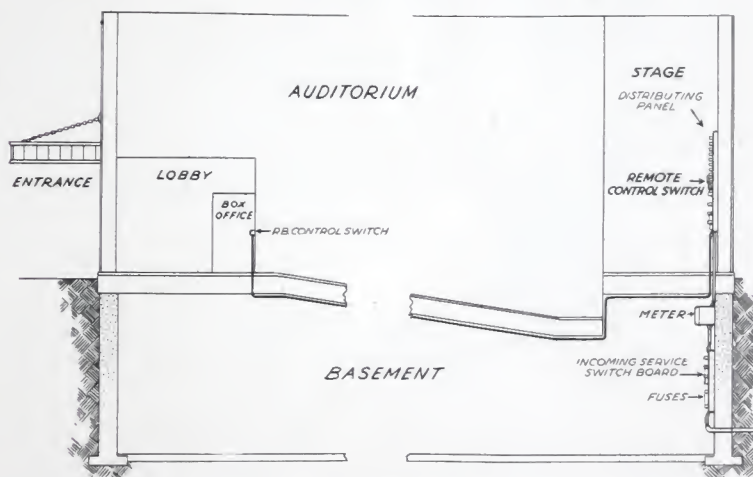
MAGNETICALLY OPERATED—MECHANICALLY LOCKED

Two of many possible uses of C-H Remote Control Switches are indicated on this page. As these sketches show, the closing or opening of the remote control switch may be accomplished from a small flush type wall switch located at some distant point,—in another room or section of a building, for instance. Where desired, one remote control switch may be operated from more than one wall switch.



C-H Remote Control Switch controlling all circuits on one floor—a typical application.

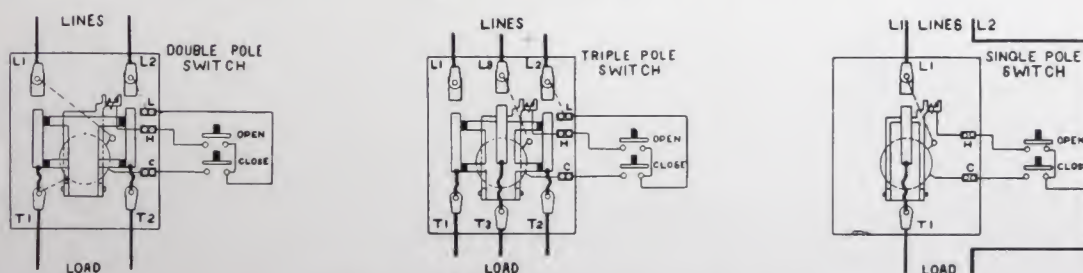
The capacity (100 amperes) is sufficient for taking care of a large number of lighting circuits,—one common method being to control all branch circuits of each distributing panel by means of one Remote Control Switch.



C-H Remote Control Switch on stage distributing panel, control switch in box office. Only two small control wires needed to run to the push button switch in office.

WIRING CONNECTIONS

For Remote Control Switch and Push-Button Control Switch



Dimensions and Connections are the same for either D. C. or A. C.



C - H Automobile Lighting Switches

THE STANDARD LINE

SWITCHES ONLY WITHOUT PLATES

SCHEDULE

Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
7160	Single switch.....	20	100	15	\$0 56
7172	Gang of two switches.....	10	50	15	1 12
7173	Gang of three switches.....	6	30	14	1 68
7174	Gang of four switches.....	5	25	15	2 24
7184	Gang of two switches in tandem.....	10	50	20	1 12
7186	Gang of three switches in tandem.....	6	30	15	1 68
7188	Gang of four switches in tandem.....	5	25	15	2 24
7191	Single three-wire switch.....	20	100	20	64
7192	Gang of two 3-wire switches.....	10	50	15	1 28
7193	Gang of three 3-wire switches.....	6	30	15	1 92
7170	Single three-way switch.....	20	100	15	1 00
7177	Series-parallel switch.....	10	50	20	1 40
7180	Momentary contact switch.....	20	100	15	45
7198	Plug ignition switch.....	20	100	15	64
7183	Plug for switch 7198.....	50	50	2	30
7171	Plug switch for grounding magneto.....	20	100	15	64
7197	Plug for switch 7171.....	50	50	2	30
7195	Door switch with flush plate and strike plate.....	20	100	22	1 00
7196	Three-wire door switch with flush plate and strike plate.....	20	100	22	1 08

Ratings: 10 amperes 80 volts for all switches except 7170, 7195 and 7196. No. 7170 is rated at 6 amperes 40 volts, 3 amperes 80 volts, and Nos. 7195 and 7196 at 5 amperes 80 volts.

Standard package discount allowed on an assortment (in unbroken cartons)
equivalent to 100 single switches.

STRUCK-UP PLATES

Standard Finish: Polished Nickel. Black Enamel, Brush Brass or Polished Brass furnished without extra charge. Switch buttons are furnished in same finishes. With black enamel plates polished nickel buttons are furnished.

Cat. No.		Dimensions		Std. Pkg.	Each
		Width	Height		
7161	For one switch.....	1 $\frac{5}{8}$ "	2 $\frac{9}{32}$ "	100	\$0 12
7162	For two switches.....	1 $\frac{3}{4}$ "	2 $\frac{9}{32}$ "	50	24
7163	For three switches.....	2 $\frac{1}{2}$ "	2 $\frac{9}{32}$ "	30	36
7164	For four switches.....	3 $\frac{1}{4}$ "	2 $\frac{9}{32}$ "	25	48
7178	Special plate for No. 7177.....	2 $\frac{1}{2}$ "	2 $\frac{9}{32}$ "	50	36
7179	Special plate for No. 7177 and one additional switch.....	3 $\frac{1}{4}$ "	2 $\frac{9}{32}$ "	30	48
7181	Special plate for No. 7177 with two additional switches...	4"	2 $\frac{9}{32}$ "	25	60

SOLID PLATES—FOR GANG TANDEM SWITCHES

7185	For two switches.....	1 $\frac{1}{8}$ "	3 $\frac{5}{8}$ "	50	\$0 24
7187	For three switches.....	1 $\frac{1}{8}$ "	5 $\frac{3}{16}$ "	30	36
7189	For four switches.....	1 $\frac{1}{8}$ "	6 $\frac{5}{8}$ "	25	48

Standard package discount allowed on assortment of plates aggregating holes for 100 switches.

7199	Polished Nickel Yoke for operating two switches.....	100	\$0 30
7131	Polished Nickel Yoke for operating two switches (tandem).....	100	30
7190	Battery Strip, or Terminal Block.....	100	25



C - H Automobile Lighting Switches

THE STANDARD LINE

In order to avoid flickering of the lights on automobiles, it is necessary that the switch controlling them shall make a positive contact. The illustration to the right shows how the C-H Automobile Lighting Switch accomplishes this result.

The movable bronze contactor No. 2, is held in engagement with the brass contacts No. 1 by the spring action of the bronze and also by the compression of the spiral spring No. 4.

Sufficient clearance is provided for all parts so that any side pressure on the button of the switch has no effect on the contact. The wiping action of the bronze contactor on the brass contacts insures clean surfaces at all times.

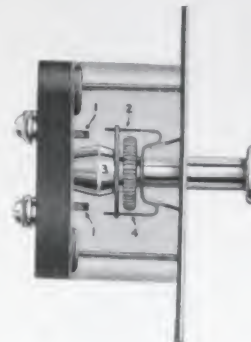
The small size of C-H single button switches makes them the choice for use where mounting space must be considered. Automobile instrument boards or steering columns require lighting switches of small and neat design.

The rugged construction of the C-H switches has enabled them to withstand long service. On gasoline and electric cars the C-H single button switches are supplied in single units or in gangs, for control of double lamp headlights; for series-parallel control of headlights; for resistance method of dimming headlights; for combination control of side and tail, and head and tail; for series control of speedometer light and tail; for automatic door control; for locking the car to prevent unauthorized operation, and for every possible requirement of automobile electric lighting.

Gangs or single switches to perform these functions can be assembled from standard C-H switches. There is nothing special about the switches which go to make these gangs. Let us know the result you desire to accomplish and we will utilize our experience to tell you just what assembly of switches will be required.

The Single Unit Switch: The C-H automobile lighting switch is operated by a single button with an absolutely quick make-and-break. The Thermoplax insulating material used in the construction of this switch is both fire-proof and water-proof and unlike fiber, will not char or warp out of shape and thus interfere with the proper operation of the switch.

The mechanism is simple and the push bar is unusually rugged, being made of one piece so as to withstand the abuse it is likely to receive. The rounded ends of the switch fit the holes made by a $\frac{1}{8}$ inch bit so that practically no chiselling need be done. The switch is secured to the automobile body by means of the yoke. For gang switches the yoke is in one piece to facilitate quick mounting and insure permanent alignment. The gang may be easily separated by means of a chisel or pinchers.



The quick made-and-break mechanism

Pulling button forces spring "4" over peak of push bar marked "3". Spring carries movable contact "2" over peak and into engagement with contact posts "1", to close circuit. Pushing the button opens circuit.



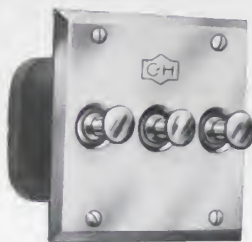
C-H single unit switch No. 7160, flush plate No. 7161.



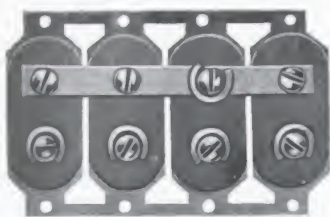
Gang of two switches. Switch No. 7172 with flush plate No. 7162.



C - H Automobile Lighting Switches



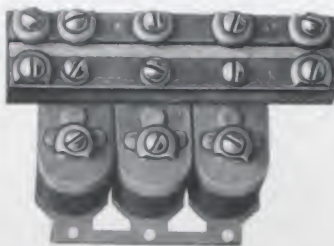
Gang of three switches.
Switch No. 7173 with flush
plate No. 7163.



Rear view of gang of four switches 7174
showing the cupped washers which
make the terminals easy to secure.

The bus bar near the top insures permanent connection and the one common wire can be secured under the cupped washer, saving time in wiring.

The yoke is in one piece to facilitate mounting. The switches may be easily separated if desired.



Rear view of a gang of three C-H
switches showing the use of the terminal
block 7190. The advantages of
this arrangement are described on
page 48.

High Rating: In spite of its small size the C-H switch has the high rating of 10 amperes, 80 volts for the single-pole and three-wire types, and 5 amperes, 80 volts for the automatic door switch. The three-way switch rating is 6 amperes, 40 volts; 3 amperes, 80 volts. Owing to the ample proportions of the switch parts there is practically no voltage drop, which is an especially desirable feature on low voltage systems.

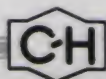
How the Switch Operates: The C-H automobile switch operates by means of a single pull-and-push button, the position of which indicates whether the circuit is open or closed. The button and the push-bar which operates the simple mechanism is made in one piece. Pushing the button opens the circuit and there is therefore no danger of running down the battery by accidentally closing the circuit in the day time when the lighted lamps would not be noticed. To close the circuit the button is pulled out. The position of the button can be readily detected by the fingers alone when the switch is installed out of sight.

How Gangs Are Made Up: The small compact C-H automobile switch lends itself admirably to gang installations. Two, three, four or more switches, with flush plates to correspond, can be arranged in gangs as shown in the illustrations on page 46. The flush plates in all cases are furnished separate from the switches and there is no danger of scratching or marring the plate in assembly as the plates need not be attached until all other work has been completed. Plates are stamped from heavy metal, with nicely beveled edges. This leaves a recess on the under side making it unnecessary to cut a mortise for the yokes of the switches.

The plates are furnished in various finishes. A new black enamel plate has come into considerable favor as the contrast with the polished nickel buttons is very pleasing.

The rear view of the four gang on page 46 shows the bus bar which connects one terminal of all switches so that only one common connection need be made. This makes a good firm connection and saves time in wiring. The cupped washers used will hold securely any size stranded wire from No. 18 to No. 10 B. & S. and there is no danger of heating at the terminals due to the terminal washer securing only part of the strands.

Switches can also be arranged in gang tandem as shown in the illustration on page 47. Switches assembled in tandem are placed end to end instead of side by side and plates suitable for this arrangement are made.



C - H Automobile Lighting Switches

Combination Lighting Systems: Two three-wire switches can be used to good advantage, one of which operates to control the side and tail lights and the other the head and tail lights. The wiring diagram for this arrangement is shown on page 52. This gang makes an economical 4-point switch, giving the following combinations:—all lights on, sides and tail lighted, heads and tail lighted, and all lights off.

Sometimes besides the tail light a license light is also used. This can be connected in series with the speedometer lamp and operated by a single pole switch. With this arrangement when the rear license lamp is broken or inoperative the speedometer lamp will immediately be disconnected and this will indicate to the driver that the license lamp is out. Where only a tail lamp is used this may be connected in series with the speedometer lamp if desired, in which case the side and head lights will operate independently of the tail light.

Various control and switch arrangements of more or less special character can also be taken care of by gang arrangements of the C-H switches.

Three-Way Switches: Three-way switches must not be confused with three-wire switches. The latter type has one "off" position and one "on" position but in the "on" position (button pulled out) contact is made to two terminals instead of one as with the single-pole switch. Three-way switches have no "off" position,—when the button is pulled out, connection is made to one terminal and when it is pushed in, to another terminal. The third terminal is connected to the battery.

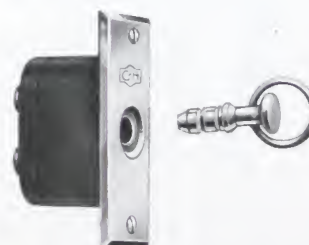
One convenient use of three-way switches is for the control of limousine dome lights. One three-way switch is placed convenient to the chauffeur and the other inside the limousine to be operated by the occupant. Either the driver or the occupant can turn the light on or off. After the latter has left the car, the chauffeur can extinguish the light left burning in the limousine interior. When the passenger returns to enter, the chauffeur can switch on the light again from his position.

Plug Switches: The two C-H plug switches Nos. 7171-61 and 7198-61 are designed to lock the motor car in order to prevent unauthorized operation. Both of these switches were designed as a result of the use by many motorists of the standard C-H pull and push switch for locking purposes, the switch being put in an out of the way place, known only to the owner of the car.

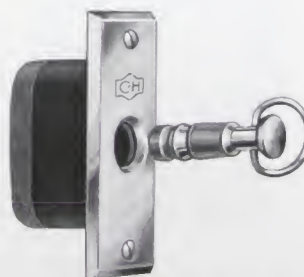
Switch No. 7171-61 is a plug switch for grounding the magneto. Removing the plug allows a contact to be made that grounds the magneto and is the reverse of the plug switch No. 7198-61 in which the plug is part of the circuit



Gang of four switches in tandem. Switch No. 7188. Plate No. 7189.



Plug switch for grounding magneto. Switch No. 7171 with flush plate No. 7161.



Plug ignition switch No. 7198 with flush plate No. 7161.



C - H Automobile Lighting Switches



Door Switch No. 7195. Controls lights automatically when door opens or closes.



Two switches operated as one by means of a yoke which connects the push bars. This makes a double pole switch of high capacity, operated by a single pull and push button.



Series-Parallel dimming switch—one button turns on lights and the other throws connections from series to parallel. Switch No. 7177. Flush plate No. 7178.



Rear view of series-parallel switch No. 7177 showing extra connection for tail lamp. Can be used for head and tail or head, dimmed, and tail.

and removing it opens the circuit. The magneto grounding switch No. 7171-61 and plug ignition switch No. 7198-61 are often made up in the same gang with the lighting switches. In other instances the magneto grounding or plug ignition switch, as the case may be, is mounted separately in the ignition circuit.

Automatic Door Switches: These switches are made in single-pole and three-wire types. They operate automatically when the door opens or closes. The single-pole switch may be used with another switch inside. When the door is opened the lamp is lighted. When closed the lamp is out, but the switch inside may then be operated to light the lamp.

This switch may also be so connected on an electric automobile that the car can not be started when the door is open. As will be noted in price list printed on page 44, a brass plate and a round striking plate are furnished with the door switch.

The Battery Strip or Terminal Block as shown at bottom of page 46 is a neat and economical means for connecting switches to the batteries and lights. The diagram on page 55 shows the method of connection when such a strip is used. This strip lists at 25 cents for two, three and four gang switches.

Headlight Dimming: The rays of the electric lamp in the parabolic reflector are penetrating and blinding, and the reduction of this glare has been demanded by legislation in many cities. Of the methods of dimming the headlights the series-parallel and the resistance methods have come into considerable use as well as the double headlight, in which case each headlight has two lamps, one of the usual size in focus and another of smaller candlepower installed out of focus. For this arrangement one switch cuts in the large lamps and one the small lamps.

Dimming of Headlights by Series-Parallel Control: When headlights are being operated in parallel each receives the full voltage while when connected in series with each other they divide up the voltage. As there are two lamps, each is operated at one-half voltage which greatly reduces their candlepower.

For the purpose of controlling headlights by means of series-parallel connection, a new type of switch has been designed which consists of a two-button switch mounted on one unit base. This combination is known as a series-parallel switch. One of the buttons operates, as shown in the diagram on page 58, to close the circuit to the headlights, and they are thrown from series to parallel by



C - H Automobile Lighting Switches

pulling out the button of the other switch. These two switches are spaced with the same center distance between the buttons as the standard gang switches. They however, require a special plate which is equivalent in size to a three-gang plate. Larger plates are supplied, by means of which additional unit switches may be installed for the purpose of controlling other lights independently.

Side lights are not as necessary where dimming of the headlights is provided for, but if desired another switch can be added to the gang to control them and the tail lamp, speedometer lamp or license lamp. Side lamps help to make the outline of the car perceptible at night.

Double Lamp Headlight Control: With the two lamp arrangement of headlights the switches control them just as sides and heads. In the city the switch controlling the small out-of-focus lamps is closed and this eliminates entirely the objectionable blinding rays which emanate from the lamps located at the focal centers of the parabolic reflectors used with electric lamps. In the country after sighting another automobile coming in the opposite direction, the out-of-focus lamps can be switched on until the machines have passed each other.

Dimming of Headlights by Resistance: The headlights can also be dimmed by means of cutting in resistance. This reduces the voltage of the lamp and lowers the candlepower according to the amount of resistance which is used. The current demand on the batteries or generator is reduced also while the resistance is cut in. In the diagram page 52 closing of switch Y dims the lights as the resistance is in series with the lamps. When switch X is closed the resistance is short circuited and the lamps each receive full voltage and burn at their full candlepower.

The resistance as shown on page 58 is divided into two parts, one for each lamp, and one three-wire and one single-pole switch are used in place of two single-pole switches as in the preceding case. The operation is just the same.

With both the series-parallel and the resistance method of dimming, the lamps of course remain in the same position and the penetrating rays emanating are not eliminated but simply subdued.

Information Required for Dimming by the Resistance Method:—

- 1—Voltage of the lamps bright.
- 2—Voltage of the lamps dim.
- 3—Current bright.
- 4—Current dim.
- 5—Number of ohms resistance.



C - H Automobile Lighting Switches

THE JUNIOR LINE

The new C-H Junior Line of automobile lighting switches has been developed to meet the demand for an inexpensive switch that will give reliable service.

Like the C-H Standard line of automobile switches, which is well known throughout the automobile industry, the operation of the new switches is accomplished by the "Push and Pull" method.

Many years experience in building switches for the automobile trade has proven that a satisfactory automobile lighting switch must have large "wiping" contact surfaces to prevent excessive contact resistance, and that the contactor must "float" on the operating shaft so that vibration and side strain on the button will not cause the lights to flicker. Both of these features are incorporated in the C-H Junior Switches.

All parts are made from high grade stock—each part being made of the material which experience has proven will give the best service. The insulating parts are made of fiber; the frame, of stamped steel; the contacts, of brass; and the contactor, of phosphor bronze. These parts are riveted together into one solid unit which will not loosen or change alignment when subjected to vibration or strain.

The contacts are arranged for single, three wire, and three-way circuits. The mechanisms and plates are built up on the unit principle,—any number of units may be combined in one group to furnish the desired arrangement.

The new C-H Spot-Light Switch shown on the next page has the same sturdy mechanism as the lighting switches described above. The binding screws are mounted somewhat differently and the mechanism is not enclosed, because this switch is installed inside of the spot light shell with the button protruding. Either rivets or machine screws and nuts can be used to fasten the switch to the shell. No plate is required—drilling one hole the size of the button and two for the rivets permits mounting the switch as shown in the sketch.



C-H Automobile Lighting Switches

THE JUNIOR LINE

SWITCHES ONLY—WITHOUT PLATES

SCHEDULE

Cat. No.		Unit Pkg.	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
7360	Single switch.....	20	100	9	\$0 42
7370	Single three-way switch.....	20	100	9	75
7372	Gang of two switches.....	10	50	9	84
7373	Gang of three switches.....	6	30	9	1 26
7374	Gang of four switches.....	5	25	9	1 68
7380	Momentary contact switch.....	20	100	9	36
7391	Single three-wire switch.....	20	100	9	50
7392	Gang of two 3-wire switches.....	10	50	9	1 00
7393	Gang of three 3-wire switches.....	6	30	9	1 50

Standard package discount allowed on an assortment (in upbroken cartons) equivalent to 100 single switches.

STRUCK-UP PLATES

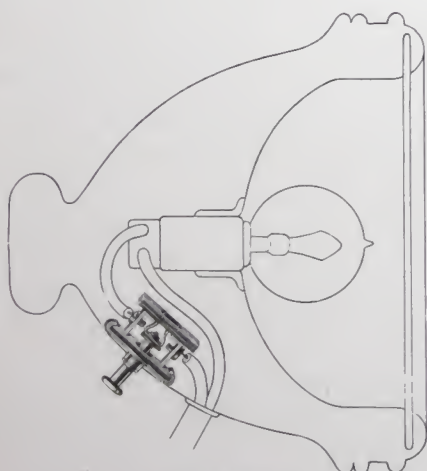
Standard Finish: Polished Nickel. Black Enamel, Brush Brass or Polished Brass furnished without extra charge. Switch buttons are furnished in same finishes. With black enamel plates polished nickel buttons are furnished.

		Dimension		Std. Pkg.	Each
		Width	Height		
7361	For one switch.....	1 $\frac{1}{16}$ "	1 $\frac{11}{16}$ "	100	\$0 10
7362	For two switches.....	1 $\frac{15}{16}$ "	1 $\frac{11}{16}$ "	50	20
7363	For three switches.....	2 $\frac{13}{16}$ "	1 $\frac{11}{16}$ "	30	30
7364	For four switches.....	3 $\frac{11}{16}$ "	1 $\frac{11}{16}$ "	25	40

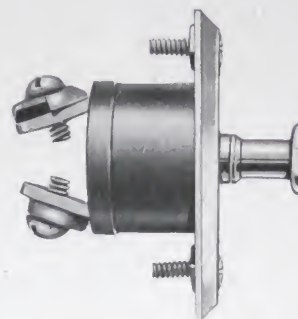
Standard package discount allowed on assortment of plates aggregating holes for 100 switches.

SPOT LIGHT SWITCH

7260	For concealed mounting.....	50	250	15	\$0 33
------	-----------------------------	----	-----	----	--------



C-H 7260
Spot Light Switch



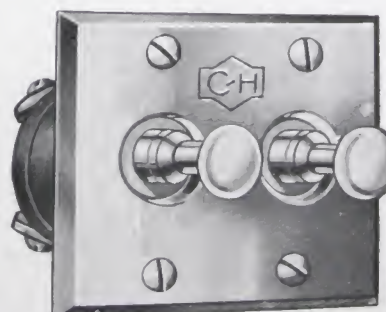
C-H 7360-7361



C-H 7360-7361

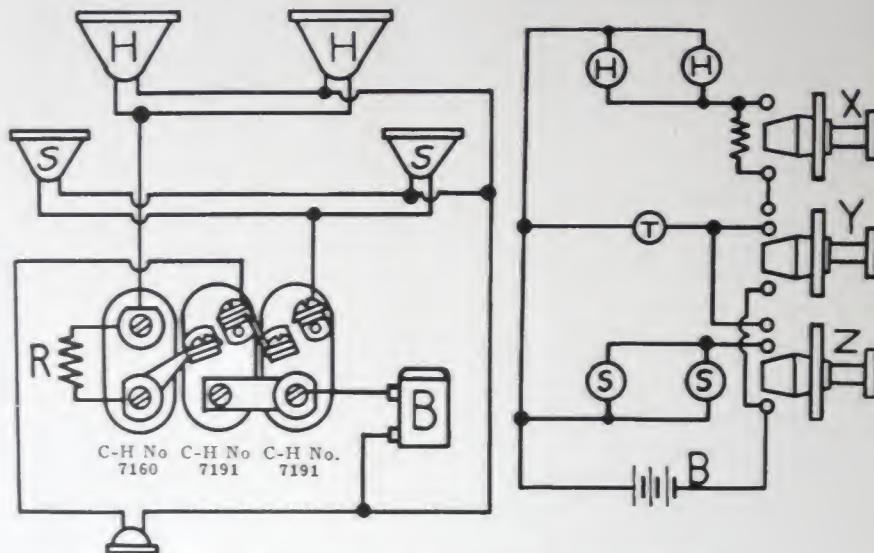


C-H 7370
Single Three-way Switch
without Plate



C-H 7372-62
Gang of two Switches

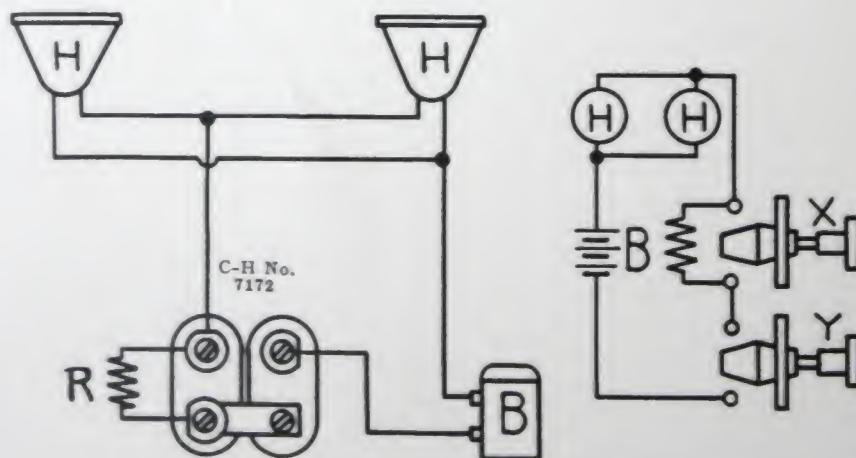
DIAGRAM OF CONNECTIONS FOR AUTOMOBILE LIGHTING



C-H Three Wire Lighting Switches

CONTROLLING HEAD—TAIL SIDE LIGHTS } and { DIMMING HEADS BY MEANS OF RESISTANCE

Pull Button Z to light side and tail lights
Pull Button Y to light head lights through resistance and tail light
Pull Button X to cut out resistance

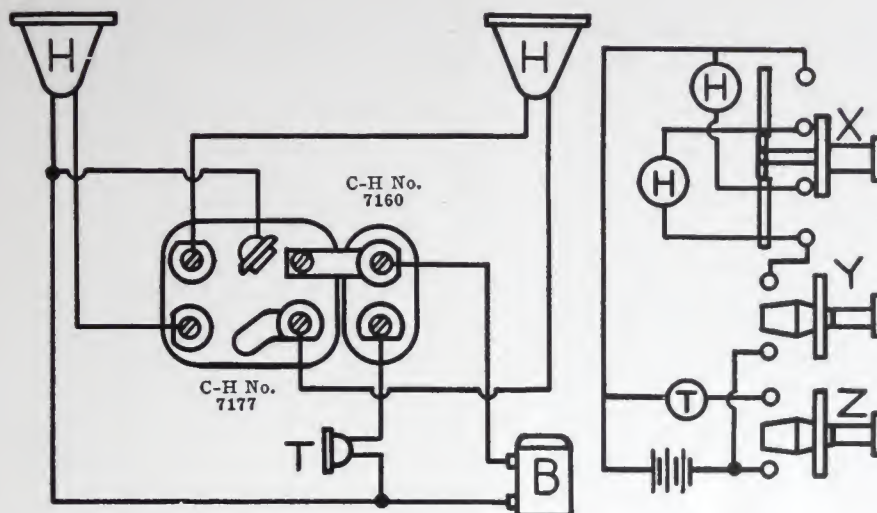


Dimming Head Lights by Means of Resistance

Pull Button Y to light head lights through resistance
Pull Button X to cut out resistance

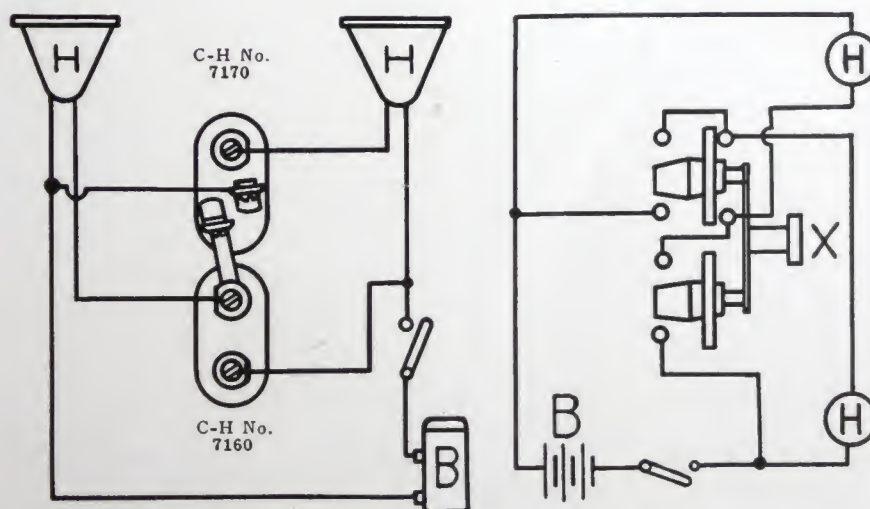


DIAGRAM OF CONNECTIONS **FOR** **AUTOMOBILE LIGHTING**



**Operating Head Lights by Series—Parallel Control
 With One Extra Switch**

Pull Button Y to connect head lights in series
 Pull Buttons X and Y to connect head lights in parallel
 Push in Button Y to cut off head light circuit
 Pull Button Z to connect tail light

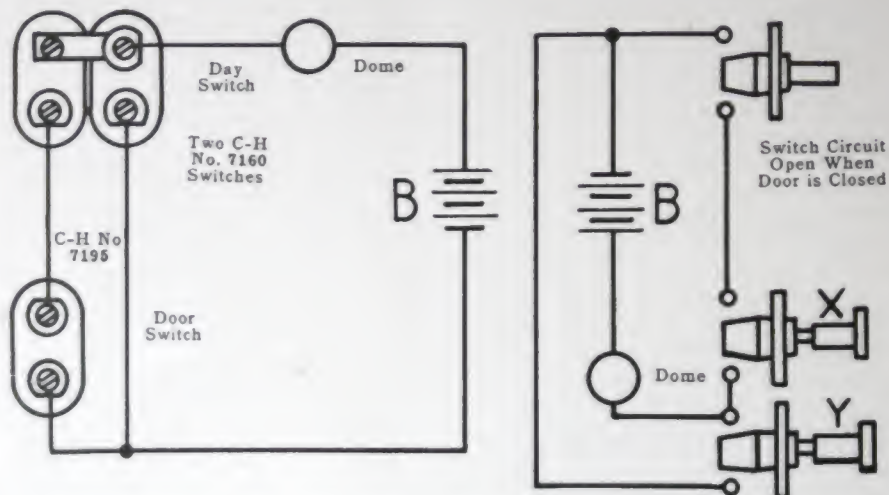


**Operating Head Lights by Series—Parallel Control
 Switches Arranged in Tandem**

Pull Button X to connect head lights in parallel
 Push in Button X to connect head lights in series
 Extra Switch controls circuit

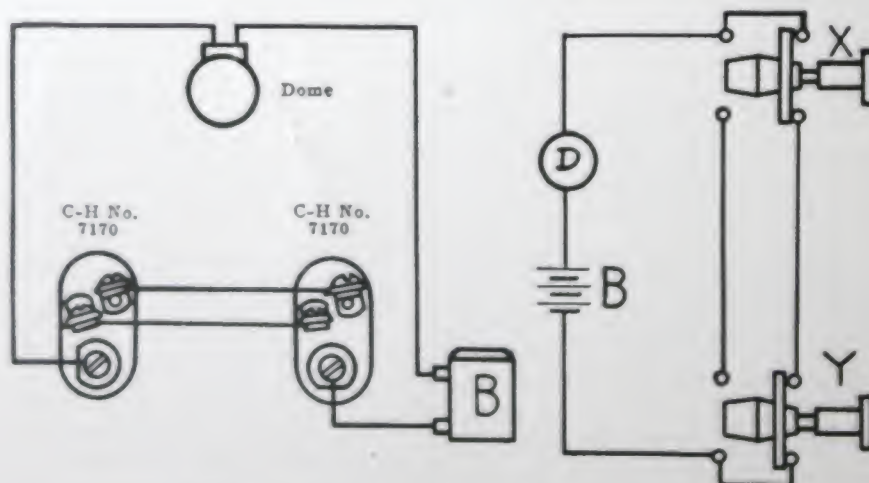


DIAGRAM OF CONNECTIONS FOR AUTOMOBILE LIGHTING



Door Switch Control of Dome Light

With Switch for cutting out door switch in day-time and a third switch giving independent control of dome light. Pull Button X to control dome light with door switch. Pull Button Y to light dome light independent of door switch.

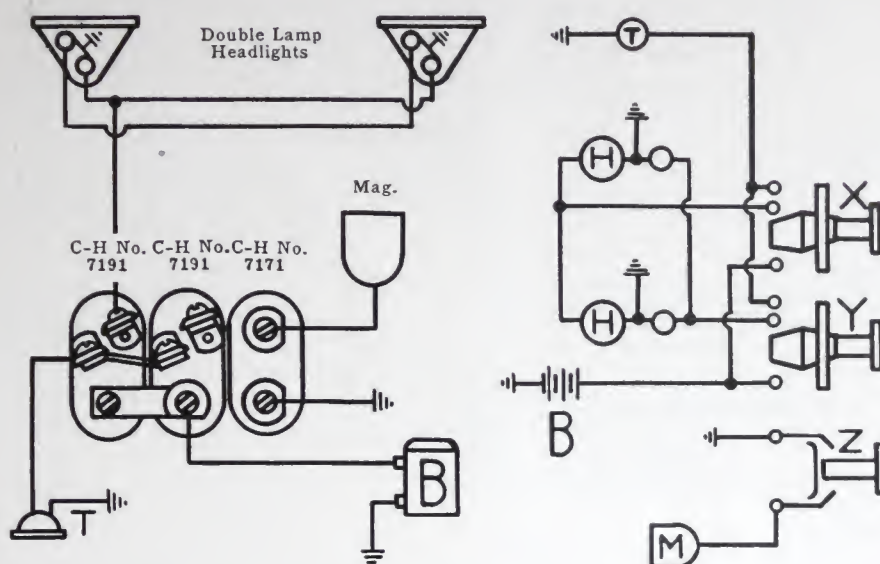


Control of Dome Light with Two Three-Way Switches

One three-way switch is placed convenient to the chauffeur and the other inside the limousine to be operated by the occupant. The light can be turned on or off from either switch.



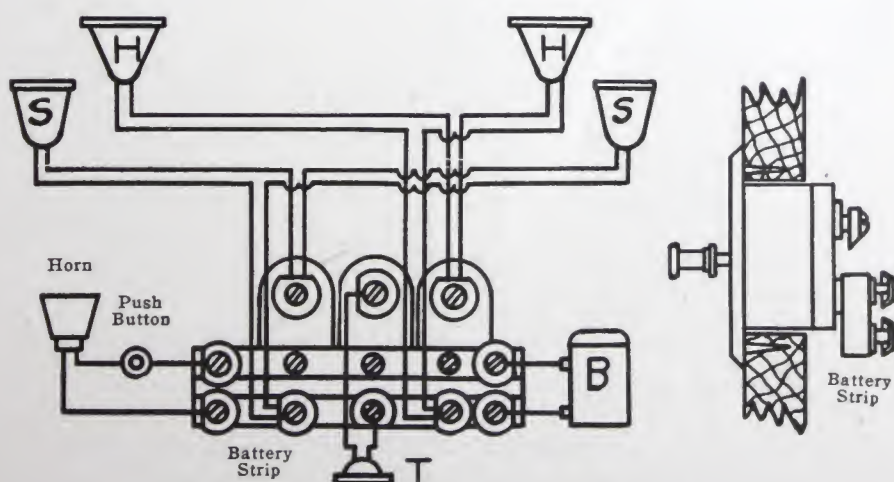
DIAGRAM OF CONNECTIONS FOR AUTOMOBILE LIGHTING



Combination Lighting—Grounded System

LARGE HEAD AND TAIL LIGHTS } or { SMALL HEAD AND TAIL LIGHTS

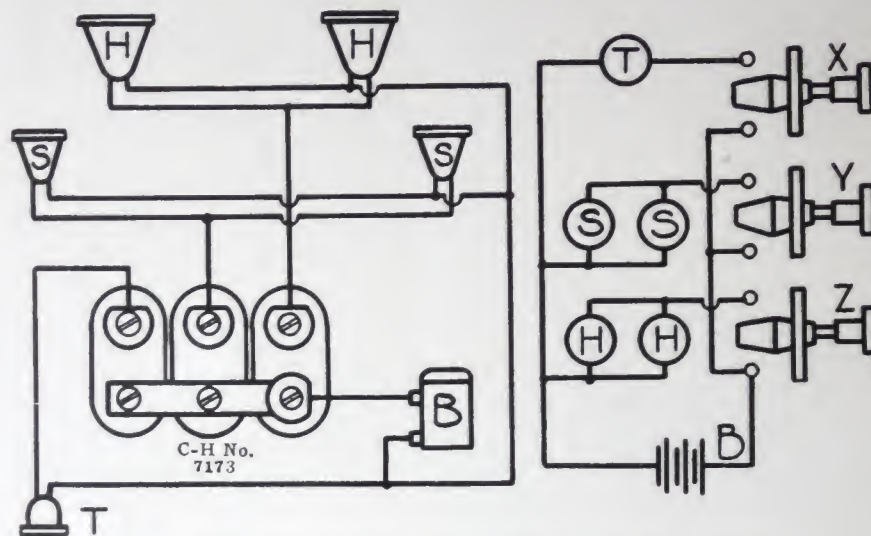
Pull Button X to light large head lights and tail light
Pull Button Y to light small bulbs and tail light
Remove Plug Z to ground magneto



Use of Battery Strip Described on Page 48

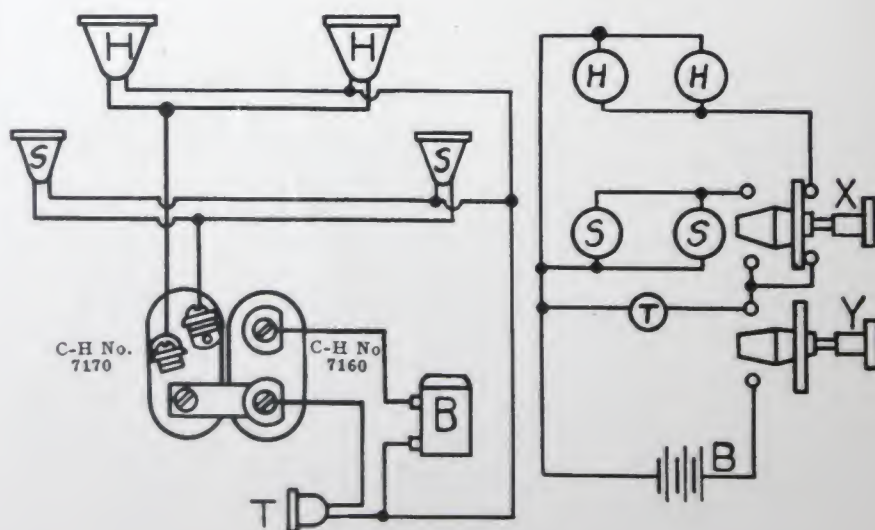


DIAGRAM OF CONNECTIONS FOR **AUTOMOBILE LIGHTING**



Individual Control of Head, Side and Tail Lights

Pull Button Z to light head lights
Pull Button Y to light side lights
Pull Button X to light tail light



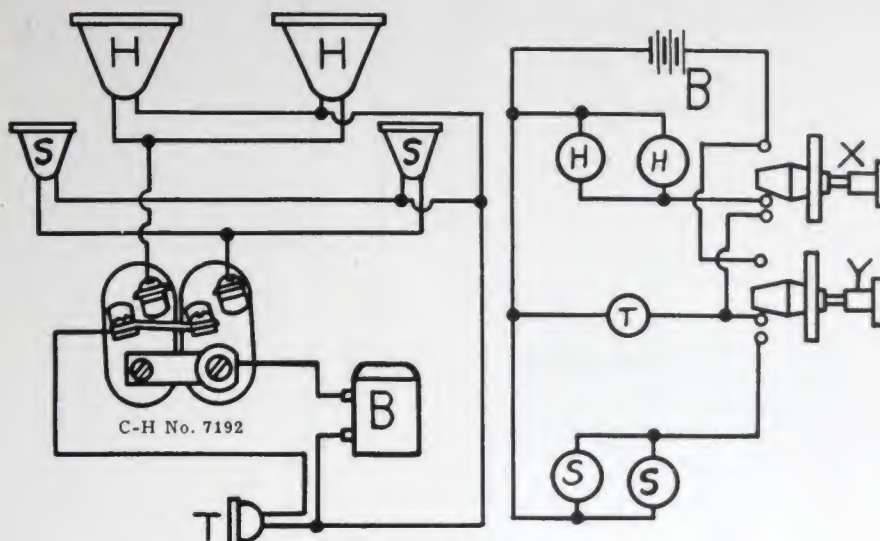
Combination Control

HEAD LIGHTS } or { SIDE AND
TAIL LIGHT } { TAIL LIGHTS } but { NOT ALL
LIGHTS }

Pull Buttons X and Y to light side and tail lights
Push in Button X to light head and tail lights
Push in Button Y to open circuit



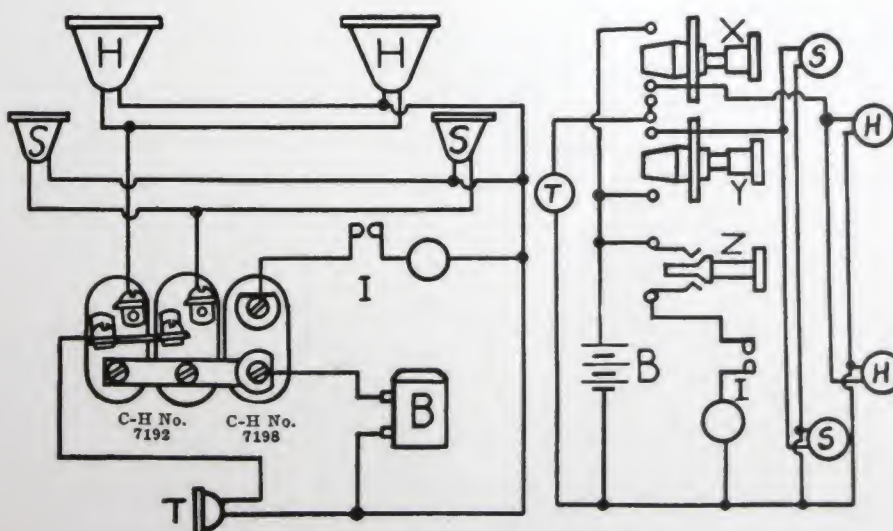
DIAGRAM OF CONNECTIONS FOR **AUTOMOBILE LIGHTING**



Combination Lighting for Off-Center Control, or

HEAD AND TAIL LIGHTS } or { SIDE AND TAIL LIGHTS } or { HEAD-TAIL SIDE LIGHTS

Pull Button X to light head and tail lights
Pull Button Y to light side and tail lights



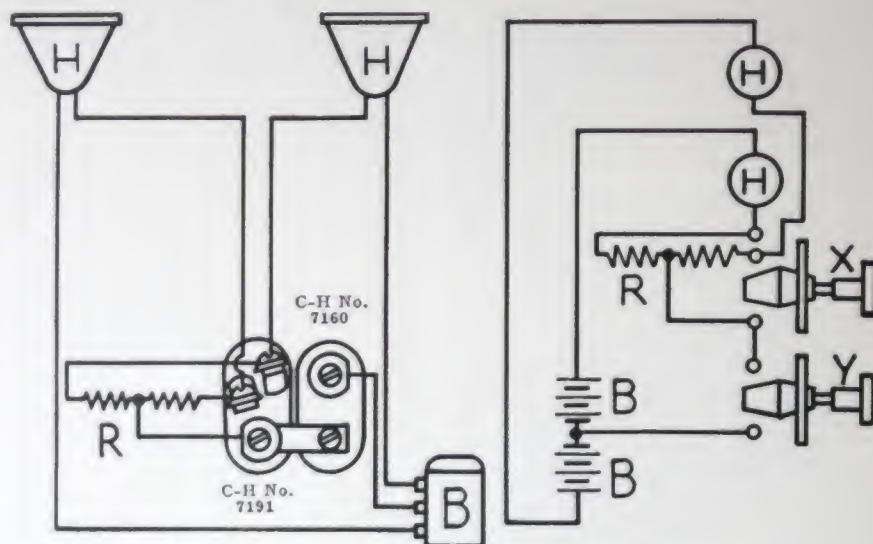
Combination Lighting with Extra Switch for Ignition

HEAD AND TAIL LIGHTS } or { SIDE AND TAIL LIGHTS } or { HEAD-TAIL SIDE LIGHTS

Pull Button X to light head and tail lights
Pull Button Y to light side and tail lights
Button Z controls ignition



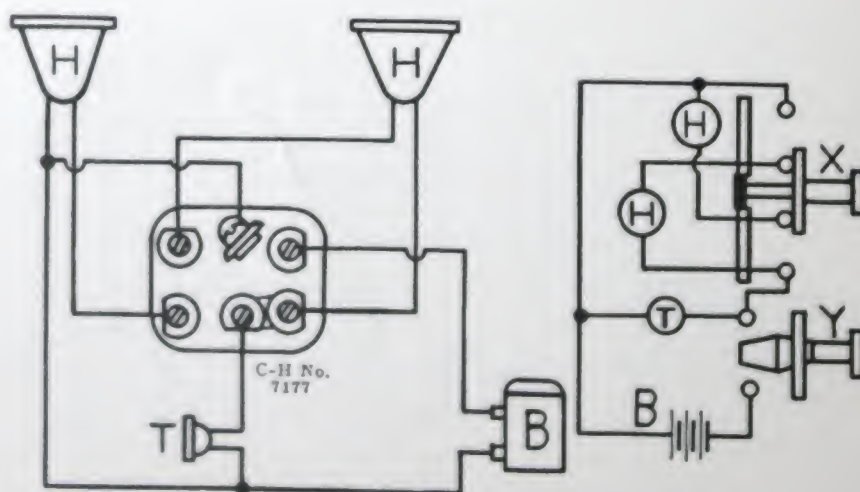
DIAGRAM OF CONNECTIONS FOR **AUTOMOBILE LIGHTING**



Dimming Headlights by Means of Resistance

12 VOLT BATTERY 6 VOLT LAMPS

Pull Button Y to light head lights through resistance
Pull Button X to cut out resistance



Series-Parallel Control of Headlights

HEAD AND TAIL LIGHTS or HEAD LIGHTS DIMMED AND TAIL BRIGHT

Pull Button Y to connect head lights in series
Pull Buttons X and Y to connect head lights in parallel
Push in Button Y to cut off circuit



INDEX TO DEVICES

Article	Page
ADAPTERS—CANDLE LENGTH SOCKET.....	15
APPLIANCE SWITCHES.....	31
ATTACHING CAPS	
"Standard" Interchangeable.....	35
C-H Rock-off Type.....	40
ATTACHMENT PLUGS WITH SEPARABLE CAPS	
"Standard" Interchangeable.....	35
C-H Rock-off Type.....	40
AUTOMOBILE LIGHTING SWITCHES.....	44 to 58
CAPS—ATTACHING	
"Standard" Interchangeable.....	35
C-H Rock-off Type.....	40
CANDLE LENGTH SOCKET ADAPTERS.....	15
CANDELABRA SWITCHES.....	18, 19
CANOPY SWITCHES.....	20, 21
CONDUIT FITTINGS	
for C-H Devices.....	32, 33
CORD CONNECTORS	
"Standard" Interchangeable.....	35
C-H Rock-off Type.....	40
CORD SWITCHES.....	22, 23
CURRENT TAPS	
"Standard" Interchangeable.....	39
DOOR SWITCHES.....	26, 27
DOOR BOLT SWITCHES.....	26, 27
FEED-THROUGH SWITCHES.....	22, 23
FINISHES—SPECIAL.....	17,
(Also refer to page on which the article is listed)	
FLUSH PLATES	
For Single Receptacles.....	36, 41
For Duplex Receptacles.....	36
For Automobile Lighting Switches.....	44 to 58
FLUSH RECEPTACLES WITH SEPARABLE CAP	
"Standard" Interchangeable.....	36
C-H Rock-off Type.....	41
FLUSH SCREW PLUG RECEPTACLES.....	41
HOLDERS—SHADE.....	13
IGNITION SWITCHES.....	44, 47
KEYLESS SOCKETS.....	
Brass Shell.....	12, 13
Candle Fixture.....	12
Candle Length.....	14, 15
Electrolier.....	12
Porcelain Base.....	12, 13
Wall.....	12
MOTOR ATTACHMENT PLUGS	
"Standard" Interchangeable.....	35
C-H Rock-off Type.....	40
PENDENT SWITCHES.....	24, 25
PLATES—FLUSH	
For Single Receptacles.....	36, 41
For Duplex Receptacles.....	36
For Automobile Lighting Switches.....	44 to 58

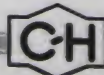
Article	Page
PLUGS—ATTACHMENT WITH SEPARABLE CAP	
"Standard" Interchangeable.....	35
C-H Rock-off Type.....	40
PLUGS—MOTOR ATTACHMENT	
"Standard" Interchangeable.....	35
C-H Rock-off Type.....	40
PUSH SOCKETS	
Brass Shell.....	12, 13
Candle Length.....	14, 15
Porcelain Base.....	12, 13
Porcelain.....	16
Wall.....	12
PULL SWITCHES.....	29
RECEPTACLES—FLUSH WITH SEPARABLE CAP	
"Standard" Interchangeable.....	36
C-H Rock-off Type.....	41
RECEPTACLES—FLUSH SCREW PLUG.....	41
RECEPTACLES—SURFACE WITH SEPARABLE CAP	
"Standard" Interchangeable.....	37, 38
C-H Rock-off Type.....	41
REMOTE CONTROL LIGHTING SWITCHES.....	42, 43
SHADE HOLDERS.....	13
SOCKETS—KEYLESS	
Brass Shell.....	12, 13
Candle Fixture.....	12
Candle Length.....	14, 15
Electrolier.....	12
Porcelain Base.....	12, 13
Wall.....	12
SOCKETS—PUSH	
Brass Shell.....	12, 13
Candle Length.....	14, 15
Porcelain.....	16
Porcelain Base.....	12, 13
Wall.....	12
SPECIAL FINISHES.....	17,
(Also refer to page on which the article is listed)	
SURFACE RECEPTACLES WITH SEPARABLE CAP	
"Standard" Interchangeable.....	37, 38
C-H Rock-off type.....	41
SWITCHES	
Appliance.....	31
Automobile Lighting.....	44 to 58
Candelabra.....	18, 19
Canopy.....	20, 21
Door.....	26, 27
Door Bolt.....	26, 27
Feed-Through or Cord.....	22, 23
Pendent.....	24, 25
Ignition.....	44, 47
Pull.....	29
Remote Control.....	42, 43
Surface Snap.....	28
Tool Handle.....	30
TAPS—CURRENT	
"Standard" Interchangeable.....	39
TOOL HANDLE SWITCHES.....	30
VACUUM CLEANER CONTROL (Automatic).....	34

General Directions on page 3. Index to Catalog Nos. on pages 60, 61, 62, 63.



Index to Catalog Numbers

Cat. No.	Page No.	Description	List Price	Schedule	Unit Pkg.	Std. Pkg.	Wgt. Lbs. Std. Pkg.
7000	24	Porcelain Pendent Switch.....	\$0 50	H	10	100	30
7001	25	Brass Cap Pendent Switch.....	55	H	10	100	34
7002	25	Brass Cap Pendent Switch.....	60	H	10	100	34
7003	25	Brass Cap Pendent Switch.....	55	H	10	100	31
7004	25	Three-Point Brass Cap Pendent Switch.....	70	H	10	50	17
7005	25	Three-Point Brass Cap Pendent Switch.....	75	H	10	50	18
7006	25	Three-Point Brass Cap Pendent Switch.....	70	H	10	50	17
7007	25	Brass Shell Pendent Switch.....	50	H	10	100	15
7010	24	Porcelain Pendent Switch.....	70	H	10	100	40
7020	24	Porcelain 2-Circuit Pendent Switch.....	1 00	H	10	50	25
7021	25	Brass Shell 2-Circuit Pendent Switch.....	1 00	H	10	50	14
7033	30	Tool-Handle Switch.....	40	H	20	100	7
7034	30	Tool-Handle Switch.....	40	H	20	100	7
7040	22	Brass Shell Feed-Through Switch.....	60	H	10	50	8
7041	22	Brass Shell Feed-Through Switch.....	60	H	10	50	8
7042	22	Brass Shell Feed-Through Switch.....	70	H	10	50	8
7043	22	Brass Shell Feed-Through Switch.....	70	H	10	50	8
7044	22	Brass Shell 3-Heat Feed-Through Switch.....	1 00	H	10	50	15
7050	22	Thermoplax Feed-Through Switch.....	40	H	10	50	8
7060	42	Remote Control Switch.....	32 00	C	1	1	17
7061	42	Remote Control Switch.....	40 00	C	1	1	18
7062	42	Remote Control Switch.....	48 00	C	1	1	20
7063	42	Remote Control Switch.....	32 00	C	1	1	17
7064	42	Remote Control Switch.....	40 00	C	1	1	18
7065	42	Remote Control Switch.....	48 00	C	1	1	20
7066	42	Push Button Control Switch.....	3 80	C	1	1	10 oz.
7067	42	Push Button Control Switch (locking).....	4 30	C	1	1	10 oz.
7103	28	Rectangular Surface Snap Switch.....	35	S	10	100	32
7105	28	Rectangular Surface Snap Switch.....	35	S	10	100	32
7106	31	Appliance Switch.....	75	A	20	100	15
7108	28	Round Surface Snap Switch.....	32	S	10	100	24
7110	28	Round Surface Snap Switch.....	32	S	10	100	24
7112	28	Round Surface Snap Switch.....	40	S	10	100	38
7114	28	Round Surface Snap Switch.....	40	S	10	100	30
7115	31	Appliance Switch.....	77	A	20	100	19
7116	31	Appliance Switch.....	80	A	20	100	20
7117	31	Appliance Switch.....	80	A	20	100	18
7118	31	Appliance Switch.....	82	A	20	100	19
7119	31	Appliance Switch.....	85	A	20	100	20
7120	28	Rectangular Sub-Base.....	05	S	20	100	38
7121	28	Rectangular Sub-Base.....	05	S	20	100	38
7122	28	Rectangular Sub-Base.....	05	S	20	100	42
7131	44	Yoke for Auto Switch.....	30	A	100	100	2
7141	20	Short Stem Canopy Switch.....	75	H	20	100	11
7142	20	Long Stem Canopy Switch.....	80	H	20	100	12
7150	18	Candelabra Switch.....	90	H	20	100	20
7151	20	Short Stem Canopy Switch.....	75	H	20	100	11
7152	20	Long Stem Canopy Switch.....	80	H	20	100	12
7153	20	Special Long Stem Canopy Switch.....	85	H	20	100	13
7154	20	Canopy Switch.....	84	H	20	100	13
7155	20	Canopy Switch.....	80	H	20	100	12
7156	20	Steel Yoke.....	05	H	50	50	1
7157	20	Canopy Switch.....	75	H	20	100	11
7158	20	Canopy Switch.....	80	H	20	100	12
7160	44, 45	Automobile Lighting Switch.....	56	A	20	100	15
7161	44, 45	Auto Switch Plate.....	12	A	20	100	4
7162	44, 45	Auto Switch Plate.....	24	A	10	50	4
7163	44, 46	Auto Switch Plate.....	36	A	7	30	3
7164	44	Auto Switch Plate.....	48	A	5	25	4
7170	44	Three-Point Auto Lighting Switch.....	1 00	A	20	100	15
7171	44, 47	Automobile Plug Switch.....	64	A	20	100	15
7172	44, 45	Two-Gang Auto Switch.....	1 12	A	10	50	15
7173	44, 46	Three-Gang Auto Switch.....	1 68	A	6	30	14
7174	44, 46	Four-Gang Auto Switch.....	2 24	A	5	25	15
7177	44, 48	Series-Parallel Switch.....	1 40	A	10	50	20
7178	44, 48	Special 2-Gang Plate for 7177.....	36	A	10	50	4
7179	44	Special 3-Gang Plate for 7179.....	48	A	7	30	4
7180	44	Momentary Control Auto Switch.....	45	A	20	100	15
7181	44	Four-Gang Plate for Auto Switch.....	60	A	5	25	4
7183	44	Plug for Cat. 7198.....	30	A	50	50	2
7184	44	Tandem 2-Gang Auto Switch.....	1 12	A	10	50	20
7185	44	Tandem 2-Gang Auto Switch Plate.....	24	A	10	50	4
7186	44	Tandem 3-Gang Auto Switch.....	1 68	A	6	30	15
7187	44	Tandem 3-Gang Auto Switch Plate.....	36	A	7	30	4
7188	44, 47	Tandem 4-Gang Auto Switch.....	2 24	A	5	25	15
7189	44, 47	Tandem 4-Gang Auto Switch Plate.....	48	A	5	25	4
7190	44, 46	Composition Auto Switch Bus Bar.....	25	A	20	100	10
7191	44	Three-Wire Auto Switch.....	64	A	20	100	20
7192	44	Two-Gang 3-Wire Auto Switch.....	1 28	A	10	50	15
7193	44	Three-Gang 3-Wire Auto Switch.....	1 92	A	6	30	15
7195	44, 48	Auto Door Switch.....	1 00	A	20	100	22
7196	44	Three-Point Auto Door Switch.....	1 08	A	20	100	22
7197	44	Plug for Cat. 7171.....	30	A	50	50	2
7198	44, 47	Removable Button Auto Switch.....	64	A	20	100	15
7199	44, 48	Yoke for Auto Switch.....	30	A	100	100	2
7240	27	Door Switch, Circ. Closed Door Open.....	2 50	S	5	25	20
7241	27	Door Switch, Circ. Closed Door Closed.....	2 50	S	5	25	20
7242	27	Door Bolt Switch.....	3 00	S	5	25	20
7245	27	Door Switch, Circ. Closed Door Open.....	2 25	S	5	25	15
7246	27	Door Switch, Circ. Closed Door Closed.....	2 25	S	5	25	15
7260	51	Spot Light Switch.....	33	A	50	250	15



INDEX TO CATALOG NUMBERS—Continued

Cat. No.	Page No.	Description	List Price	Schedule	Unit Pkg.	Std. Pkg.	Wgt. Lbs.
7300	29	Brass Shell Pull Switch.....	60	H	10	50	12
7302	29	Brass Shell Pull Switch.....	69	H	10	20	5
7304	29	Brass Shell Pull Switch.....	66	H	10	20	5
7306	29	Brass Shell Pull Fixture Switch.....	75	H	10	50	12
7307	29	Brass Shell Pull Fixture Switch.....	84	H	10	20	5
7308	29	Brass Shell Pull Fixture Switch.....	81	H	10	20	5
7310	29	Brass Shell Pull Switch.....	60	H	10	20	5
7311	29	Brass Shell Pull Fixture Switch.....	75	H	10	20	5
7312	29	Brass Shell Pull Switch.....	60	H	10	20	5
7313	29	Brass Shell Pull Switch.....	69	H	10	20	5
7314	29	Brass Shell Pull Switch.....	69	H	10	20	5
7315	29	Brass Shell Pull Fixture Switch.....	75	H	10	20	5
7316	29	Brass Shell Pull Fixture Switch.....	84	H	10	20	5
7317	29	Brass Shell Pull Fixture Switch.....	84	H	10	20	5
7320	29	Brass Shell Pull Switch.....	71	H	10	20	10
7326	29	Brass Shell Pull Switch.....	78	H	5	50	60
7360	51	Single Auto Switch.....	42	A	20	100	9
7361	51	Single Auto Switch Plate.....	10	A	20	100	2
7362	51	Two-Gang Auto Switch Plate.....	20	A	10	50	2
7363	51	Three-Gang Auto Switch Plate.....	30	A	6	30	2
7364	51	Four-Gang Switch Plate.....	40	A	5	25	2
7370	51	Single Three-Way Switch.....	75	A	20	100	9
7372	51	Gang of Two Auto Switches.....	84	A	10	50	9
7373	51	Gang of Three Auto Switches.....	26	A	6	30	9
7374	51	Gang of Four Auto Switches.....	68	A	5	25	9
7380	51	Momentary Contact Auto Switch.....	36	A	20	100	9
7391	51	Single Three-Wire Auto Switch.....	50	A	20	100	9
7392	51	Gang of Two 3-Wire Auto Switches.....	50	A	10	50	9
7393	51	Gang of Three 3-Wire Auto Switches.....	50	A	6	30	9
7400	16	Porcelain Pendent Socket.....	33	B	10	100	42
7401	16	Porcelain Fixture Socket.....	37	B	10	100	42
7405	16	Porcelain Fixture Socket.....	40	B	10	100	42
7500	12	Brass Shell Push Button Socket.....	33	B	25	500	100
7501	12	Brass Shell Keyless Socket.....	30	B	25	500	100
7502	12	Brass Shell Push Button Socket.....	42	B	25	250	55
7503	12	Brass Shell Keyless Socket.....	39	B	25	250	55
7504	12	Brass Shell Push Button Socket.....	39	B	25	250	58
7505	12	Brass Shell Keyless Socket.....	36	B	25	250	58
7506	12	Brass Shell Push Button Socket.....	33	B	25	500	100
7507	12	Brass Shell Keyless Socket.....	30	B	25	500	91
7509	12	Candle Fixture Socket.....	30	B	25	250	15
7510	12, 17	Brass Shell Push Button Socket.....	40	B	25	250	50
7511	12	Brass Shell Keyless Socket.....	30	B	25	100	20
7512	12, 17	Brass Shell Push Button Socket.....	49	B	25	250	55
7513	12	Brass Shell Keyless Socket.....	39	B	25	100	20
7514	12, 17	Brass Shell Push Button Socket.....	46	B	25	250	58
7515	12	Brass Shell Keyless Socket.....	36	B	25	100	20
7516	15	Push Button Candle Socket.....	85	B	10	50	12
7517	15	Keyless Candle Socket.....	70	B	10	50	12
7518	15	Push Button Candle Socket.....	94	B	10	50	12
7519	15	Keyless Candle Socket.....	79	B	10	50	12
7520	12	Brass Shell Push Button Socket.....	33	B	25	500	100
7521	12	Brass Shell Keyless Socket.....	30	B	25	500	100
7522	12	Brass Shell Push Button Socket.....	42	B	25	250	58
7523	12	Brass Shell Keyless Socket.....	39	B	25	250	55
7524	12	Brass Shell Push Button Socket.....	42	B	25	250	58
7525	12	Brass Shell Keyless Socket.....	39	B	25	250	58
7526	15	Push Button Candle Socket.....	91	B	10	50	12
7527	15	Keyless Candle Socket.....	76	B	10	50	12
7528	15	Push Button Candle Socket.....	87	B	10	50	12
7529	15	Keyless Candle Socket.....	72	B	10	50	12
7530	12, 17	Brass Shell Push Button Socket.....	40	B	25	250	50
7531	12	Brass Shell Keyless Socket.....	30	B	25	100	20
7532	12, 17	Brass Shell Push Button Socket.....	49	B	25	250	55
7533	12	Brass Shell Keyless Socket.....	39	B	25	100	20
7534	12, 17	Brass Shell Push Button Socket.....	49	B	25	250	58
7535	12	Brass Shell Keyless Socket.....	39	B	25	100	20
7536	15	Push Button Candle Socket.....	87	B	10	50	12
7537	15	Keyless Candle Socket.....	72	B	10	50	12
7550	12	Porcelain Base Push Button Receptacle.....	44	B	10	250	80
7551	12	Porcelain Base Keyless Receptacle.....	41	B	10	250	80
7553	15	Candle Stick Adapter.....	06	B	20	100	7
7557	15	Bobaché Holder.....	08	B	20	100	3
7558	15	Bobaché 3 7-16" Diameter.....	12	B	20	100	9
7559	15	Bobaché 3" Diameter.....	10	B	20	100	7
7560	12	Brass Shell Push Button Socket.....	35	B	25	250	55
7561	12	Porcelain Base Keyless Receptacle.....	41	B	10	250	75
7562	12	Brass Shell Push Button Socket.....	35	B	25	250	55
7564	15, 17	Push Button Candle Socket.....	92	B	10	50	12
7566	17	Push Button Candle Socket.....	92	B	10	50	12
7568	17	Push Button Candle Socket.....	92	B	10	50	12
7571	12	Brass Shell Keyless Socket.....	32	B	25	250	55
7573	12	Brass Shell Keyless Socket.....	32	B	25	250	55
7575	12	Brass Shell Keyless Socket.....	32	B	25	100	20
7577	12	Brass Shell Short Keyless Socket.....	32	B	25	100	20
7579	9, 13	Socket Wrench.....	No charge	...	1	1	...
7590	13, 29	Porcelain Base for Outlet Box.....	25	B	5	50	22
7591	13	Porcelain Base Push Button Socket.....	51	B	5	100	60
7592	13	Porcelain Base Keyless Socket.....	48	B	5	100	60
7593	13	Porcelain Base Keyless Socket.....	48	B	10	100	60
7594	29	Porcelain Base for Cat. No. 7320.....	18	B	10	50	15
7600	40	All Porcelain Attachment Plug.....	25	P	10	250	65



INDEX TO CATALOG NUMBERS—Continued

Cat. No.	Page No.	Description	List Price	Schedule	Unit Pkg.	Std. Pkg.	Wgt. Lbs. Std. Pkg.
7601	40	Porcelain Base Attach. Plug., Comp. Cap.....	25	P	10	250	70
7602	40	All Comp. Attachment Plug.....	35	P	10	250	60
7604	40	Attachment Plug Cap.....	15	P	10	50	8
7606	40	Attachment Plug, Base only.....	20	P	10	100	18
7607	40	Attachment Plug Cap.....	15	P	10	50	8
7610	41	Flush Receptacle Only.....	50	P	10	50	23
7611	41	Flush Receptacle with Cap and Plate.....	1 00	P	10	50	26
7612	41	Flush Receptacle with Cap and Plate.....	1 00	P	10	50	25
7613	34, 41	Flush Receptacle with Plate.....	85	P	10	50	23
7614	34	Vacuum Cleaner Control Device.....	2 40	P	10	50	45
7615	34	Cap and Chain for 7613.....	1 55	P	10	50	15
7616	41	Surface Receptacle with Cap.....	35	P	10	50	25
7617	41	Surface Receptacle with Cap.....	35	P	10	50	25
7618	41	Surface Receptacle.....	20	P	10	50	23
7621	41	Surface Receptacle with Cap.....	35	P	10	50	22
7622	41	Surface Receptacle with Cap.....	35	P	10	50	20
7623	41	Surface Receptacle.....	20	P	10	50	18
7627	41	Surface Receptacle with Cap.....	35	P	10	50	28
7628	41	Surface Receptacle with Cap.....	35	P	10	50	28
7629	41	Surface Receptacle.....	20	P	10	50	22
7642	41	Flush Receptacle.....	30	S	10	100	60
7643	36, 41	Receptacle Plate with Lid.....	60	P	25	100	48
7644	41	Receptacle Plate without Lid.....	35	P	25	100	14
7645	36, 41	Receptacle Plate with Lid.....	40	P	25	100	32
7646	36	Receptacle Plate without Lid.....	35	P	25	50	15
7647	41	Receptacle Plate without Lid.....	50	P	25	50	30
7650	40	Cord Connector.....	45	P	10	100	23
7651	40	Cord Connector Base.....	30	P	10	100	15
7655	40	Motor Attachment Plug.....	50	P	10	100	28
7656	40	Motor Attachment Plug Base.....	20	P	10	100	13
7700	35	"Std." Attachment Plug.....	25	P	25	100	14
7701	35	"Std." Attachment Plug Base.....	10	P	10	100	9
7702	35	"Std." Attachment Cap.....	15	P	10	50	4
7704	35	"Std." Polarity Attachment Cap.....	15	P	10	50	4
7705	35	"Std." Polarity Attachment Plug.....	25	P	25	100	14
7706	35	"Std." Brass Cover Cap.....	25	P	10	50	8
7707	39	Series Current Tap (Porcelain).....	35	P	10	50	13
7708	39	Parallel Current Tap (Porcelain).....	35	P	10	50	13
7710	36	Flush Receptacle.....	60	P	10	50	28
7711	36	Flush Receptacle with Cap.....	75	P	10	50	32
7713	37	Condulet Receptacle.....	40	P	10	100	38
7714	37	Condulet Receptacle and Cap.....	55	P	10	50	23
7716	35	Strain Relief for Cap.....	2 25 per M	P	1000	1000	2
7717	38	Surface Receptacle.....	25	P	10	50	17
7718	38	Surface Receptacle with Cap.....	40	P	10	50	20
7720	36	Duplex Flush Receptacle.....	85	P	10	50	28
7721	36	Duplex Receptacle with Cap.....	1 15	P	10	50	30
7722	36	Duplex Receptacle Plate.....	40	P	25	50	15
7724	38	Surface Receptacle.....	25	P	10	50	17
7725	38	Surface Receptacle with Cap.....	40	P	10	50	20
7727	38	Surface Cleat Receptacle.....	25	P	10	50	20
7728	38	Surface Receptacle with Cap.....	40	P	10	50	23
7730	37	Conduit Box Receptacle.....	25	P	10	50	20
7731	37	Conduit Box Receptacle with Cap.....	40	P	10	50	23
7733	36	Round Flush Receptacle.....	85	P	1	50	30
7734	36	Round Flush Receptacle with Cap.....	1 00	P	1	50	30
7736	36	Round Flush Receptacle.....	95	P	1	50	35
7737	36	Round Flush Receptacle with Cap.....	1 10	P	1	50	35
7740	38	Outlet Box Receptacle.....	35	P	5	50	24
7741	38	Outlet Box Receptacle and Cap.....	50	P	5	50	27
7750	35	Cord Connector.....	45	P	10	50	10
7752	35	Cord Connector Base.....	30	P	10	50	10
7753	36	Flush Receptacle.....	60	P	10	50	28
7754	36	Flush Receptacle with Cap.....	75	P	10	50	32
7755	35	Motor Attachment Plug with Cap.....	50	P	10	50	15
7757	35	Motor Attachment Plug Base.....	20	P	10	50	8
7758	35	Motor Attachment Plug.....	50	P	10	50	15
7759	35	Base of Motor Attachment Plug.....	20	P	10	50	8
7760	37	Molding Receptacle.....	25	P	10	50	20
7761	37	Molding Receptacle with Cap.....	40	P	10	50	23
7763	37	Molding Receptacle.....	25	P	10	50	20
7764	37	Molding Receptacle with Cap.....	40	P	10	50	23
7766	39	Taplet Receptacle.....	35	P	10	50	20
7767	39	Taplet Receptacle with Cap.....	50	P	10	50	23
7770	39	Side Outlet Current Tap.....	35	P	10	50	20
7771	39	Side Outlet Current Tap with Cap.....	50	P	10	50	24
7772	39	Side Outlet Current Tap.....	35	P	10	50	20
7773	39	Side Outlet Current Tap with Cap.....	50	P	10	50	24
7774	38	Conduit Box Receptacle.....	25	P	10	50	16
7775	38	Conduit Box Receptacle with Cap.....	40	P	10	50	19
7780	39	Adapter for Edison Receptacle.....	10	P	10	100	13
7782	39	Thermoplax Side Outlet Current Tap.....	45	P	10	50	25
7783	39	Thermoplax Side Outlet Current Tap.....	60	P	10	50	29
7784	39	Thermoplax Side Outlet Current Tap.....	45	P	10	50	25
7785	39	Thermoplax Side Outlet Current Tap.....	60	P	10	50	29
7786	39	Series Current Tap (Thermoplax).....	40	P	10	50	13
7787	39	Multiple Current Tap (Thermoplax).....	40	P	10	50	13
7800	17	Brass Shell Push Button Socket.....	33	B	25	250	58
7801	17	Brass Shell Push Button Socket.....	33	B	25	250	58
7802	17	Brass Shell Push Button Socket.....	33	B	25	250	58
7803	17	Brass Shell Push Button Socket.....	33	B	25	250	58
7804	17	Brass Shell Push Button Socket.....	33	B	25	250	58



INDEX TO CATALOG NUMBERS—Continued

Cat. No.	Page No.	Description	List Price	Schedule	Unit Pkg.	Std. Pkg.	Wgt. Lbs. Std. Pkg.
7805	17	Brass Shell Push Button Socket.....	33	B	25	250	58
7806	17	Brass Shell Push Button Socket.....	42	B	25	250	58
7807	17	Brass Shell Push Button Socket.....	42	B	25	250	58
7808	17	Brass Shell Push Button Socket.....	42	B	25	250	58
7809	17	Brass Shell Push Button Socket.....	42	B	25	250	58
7810	17	Brass Shell Push Button Socket.....	42	B	25	250	58
7811	17	Brass Shell Push Button Socket.....	42	B	25	250	58
7812	17	Brass Shell Push Button Socket.....	39	B	25	250	58
7813	17	Brass Shell Push Button Socket.....	39	B	25	250	58
7814	17	Brass Shell Push Button Socket.....	39	B	25	250	58
7815	17	Brass Shell Push Button Socket.....	39	B	25	250	58
7816	17	Brass Shell Push Button Socket.....	39	B	25	250	58
7817	17	Brass Shell Push Button Socket.....	39	B	25	250	58
7818	17	Brass Shell Push Button Socket.....	33	B	25	500	100
7820	17	Push Button Candle Socket.....	85	B	10	50	12
7822	17	Push Button Candle Socket.....	85	B	10	50	12
7824	17	Push Button Candle Socket.....	85	B	10	50	12
7826	17	Push Button Candle Socket.....	94	B	10	50	12
7828	17	Push Button Candle Socket.....	94	B	10	50	12
7830	17	Push Button Candle Socket.....	94	B	10	50	12
7832	17	Push Button Candle Socket.....	91	B	10	50	12
7834	17	Push Button Candle Socket.....	91	B	10	50	12
7836	17	Push Button Candle Socket.....	91	B	10	50	12
7840	13	3 1/4" Brass Shade Holder.....	20	D	25	100	25
7841	13	3 1/4" Brass Shade Holder.....	25	D	25	100	25
7842	13	2 1/4" Brass Shade Holder.....	13	D	25	100	25
7843	13	2 1/4" Brass Shade Holder.....	16 1/2	D	25	100	25



List Prices on Brass Shell Socket Parts

Brass shells, push or keyless, without linings.....	\$.07½
Brass cap ⅛-inch (female).....	.06½
Brass cap ¼-inch (female).....	.15½
Brass cap ⅜-inch (female).....	.12½
Brass cap ⅛-inch (male).....	.06½
Brass cap ¼-inch (male).....	.15½
Brass cap ⅜-inch (male).....	.15½
Brass cap Pendent.....	.04½
Brass cap with side inlets.....	.08½
Shell linings.....	.02½
Cap linings (fixture sockets).....	.00½
Bushing for pendent caps.....	.02
Interiors, push.....	.16
Interiors, keyless.....	.13

Schedule B:

Standard Package 250.

Price of fixture caps include locking rings.

Other parts of sockets will be sold at prices bearing the same proportion to the price of the complete article that the above prices bear to the complete devices of which the parts mentioned form a part.

List Prices on Candle Length Socket Parts

7516—Interior.....	\$.52	Shell.....	\$.26	Cap.....	.6½c
7517—Interior.....	.37	Shell.....	.26	Cap.....	.6½c





